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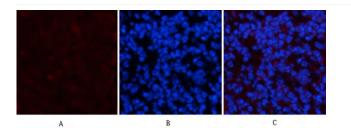
Website: www.upingBio.com

## PDGFRα mouse Monoclonal Antibody(7A3)

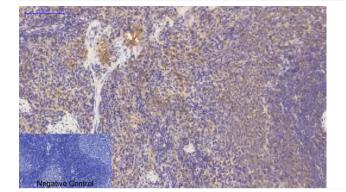
Catalog NoYP-Ab-12960IsotypeIgGReactivityHuman;Rat;MouseApplicationsIF;IHCGene NamePDGFRAProtein NamePDGFRAProtein NameSynthetic Peptide of PDGFRa at AA range of 1010-1090SpecificityPDGFRa protein detects endogenous levels of PDGFRAFormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.SourceMonoclonal, MousePurificationThe antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.DilutionIF: 1:50-200 IHC 1:100-200Concentration1 mg/mlPurity290%Storage Stability-20°C/1 yearSynonymsPDGFRAObserved Band180kDCell PathwayCell membrane; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .FunctionIstatic colon tumors and in nomal colon tissue.Functioncatalytic activity.ATP + a [protein]+L+tyrosine approxes of the primary and metastatic colon tumors and in nomal colon tissue.Functioncatalytic activity.ATP + a [protein]+L+tyrosine approxes of the stare activity.attific approxes of the stare activity.attific activity.attific activity.attific activity.attific and and approxes of the stare activity.attific activity.attific and and and ange, function. Researce of marrow, essinghilit, stase infiltention and organ damage, function.FunctionCatalytic activity.ATP + a [protein]+L+tyrosine approtein function.Functioncatalytic activity.ATP + a [protein]+L+tyrosine approtein function.Function </th <th></th> <th></th>		
Reactivity         Human;Rat;Mouse           Applications         IF;IHC           Gene Name         PDGFRA           Protein Name         PDGFRA           Immunogen         Synthetic Peptide of PDGFRα at AA range of 1010-1090           Specificity         PDGFRA protein detects endogenous levels of PDGFRA           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse           Purification         The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.           Dilution         IF: 1:50-200 IHC 1:100-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PDGFRA           Observed Band         180kD           Cell Pathway         Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golg apparatus .           Tissue Specificity         Detected in platelets (at protein level). Widely expressed in primary and metastatic colon tumors and in normal colon tissue.           Function         catalytic activity. ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate, disease A fusion of PDGFRA and FIP11.1 (FIPCH1-PDGFRA), due to an interstitial chromosomal deletion, is the cause of some cases of some cause of somocase of some cause of so	Catalog No	YP-Ab-12960
Applications         IF;IHC           Gene Name         PDGFRA           Protein Name         PDGFRA           Immunogen         Synthetic Peptide of PDGFRα at AA range of 1010-1090           Specificity         PDGFRα protein detects endogenous levels of PDGFRA           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse           Purification         The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.           Dilution         IF: 1:50-200 IHC 1:100-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PDGFRA           Observed Band         180kD           Cell Pathway         Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .           Tissue Specificity         Detected in platelets (at protein level). Widely expressed in primary and metastatic colon tumors and in normal colon tissue.           Function         catalytic activity-ATP + a [protein]L-tyrosine = ADP + a [protein]L-tyrosine = hosphate, disease: A fusion of PDGFRA and PDGFRA. Hore the hasse of some cases of hyperesinpolitic synome (HES). IMM:5076851, HES is a rare hematologic disorder characterized by sustained overproduction decaspol that binds both PDGFA and PDGFB and has a tyrosine-p	Isotype	IgG
Gene Name         PDGFRA           Protein Name         PDGFRA           Immunogen         Synthetic Peptide of PDGFRα at AA range of 1010-1090           Specificity         PDGFRα protein detects endogenous levels of PDGFRA           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse           Purification         The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.           Dilution         IF: 1:50-200 IHC 1:100-200           Concentration         1 mg/ml           Purify         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PDGFRA           Observed Band         180kD           Cell Pathway         Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .           Tissue Specificity         Detected in platelets (at protein level). Widely expressed in primary and metastatic colon tumors and in normal colon tissue.           Function         catalytic activity-ATP + a [protein]L-tyrosine = ADP + a [protein]-L-tyrosine phosphate, disease: A fusion of PDGFRA and PD11 L([P111.1-PDGFRA], due to an interstitial chromosomal deletion, is the cause of some cases of methods both PDGFA and PDGFB and P31. His 2: Si a rare hematologic disorder characterized by sustained overproduction of exion.PDEFRb, interacts with the bote marrow, eosinophilia, stynorem (HES)	Reactivity	Human;Rat;Mouse
Protein Name         PDGFRA           Immunogen         Synthetic Peptide of PDGFRα at AA range of 1010-1090           Specificity         PDGFRα protein detects endogenous levels of PDGFRA           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse           Purification         The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.           Dilution         IF: 1:50-200 IHC 1:100-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PDGFRA           Observed Band         180kD           Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .           Tissue Specificity         Detected in platelets (at protein level). Widely expressed. Detected in brain, fibroblasts, smooth muscle, heart, and embryo, Expressed in primary and metastatic colon tumors and in normal colon tissue           Function         catalytic activity:ATP + a [protein]-L-tyrosine phosphate, disease:A fusion of PDGFRA and FIP1L1 (FIP1L1-PDGFRA), due to an interstitial chromosomal deletion, is the cause of some cases of marrow, eosinophilia, issue infilted coverproduction of eosinophiles in the bone marrow, eosinophilia, issue infilted corpoin tervies. Wires a rare hematologic disorder characterized by sustained overprotention kinase family. CSF-1/PDGF receptor subfa	Applications	IF;IHC
Immunogen         Synthetic Peptide of PDGFRα at AA range of 1010-1090           Specificity         PDGFRα protein detects endogenous levels of PDGFRA           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse           Purification         The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.           Dilution         IF: 1:50-200 IHC 1:100-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PDGFRA           Observed Band         180kD           Cell Pathway         Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .           Function         Detected in platelets (at protein level). Widely expressed. Detected in brain, fibroblasts, smooth muscle, heart, and embryo. Expressed in primary and metastatic colon tumors and in normal colon tissue = ADP + a [protein]-L-tyrosine phosphate, disease:A fusion of PDGFRA and FIP1L1-PDGFRA), due to an interstitial chromosomal deletion, is the cause of some cases of mypereosinophilic syndrome (HES) [MIM.607685]. HES is a rare hematologic disorder characterized by sustained overproduction of eosinophilis in the bone marrow, eosinophilia, tissue inflicted: is the cause of some cases of any tyretosin kinase family. SGF-1/PDGF receptor subfamily, similarity.Contains 1 protein kinase family. SGF-1/PDGF receptor subfamily, similarity.Contains 1 protein kin	Gene Name	PDGFRA
Specificity       PDGFRα protein detects endogenous levels of PDGFRA         Formulation       Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.         Source       Monoclonal, Mouse         Purification       The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.         Dilution       IF: 1:50-200 IHC 1:100-200         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       PDGFRA         Observed Band       180kD         Cell Pathway       Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .         Tissue Specificity       Detected in platelets (at protein level). Widely expressed. Detected in brain, fibroblasts, smooth muscle, heart, and embryo. Expressed in primary and metastatic colon thursde, heart, and embryo. Expressed in primary and metastatic colon thursde, heart, and embryo. Expressed in primary and metastatic colon thursde, heart, and embryo. Expressed in primary and metastatic colon thursde, heart, and embryo. Expressed in primary and metastatic colon thursde, heart, and embryo. Expressed in primary and metastatic colon thursde, heart, and embryo. Expressed in primary and metastatic colon thursde, heart, and embryo. Expressed in primary and metastatic colon thursde, heart, and embryo. Expressed in primary and metastatic colon thursde, heart, and endryo. Expressed in primary and metastatic colon thursde, heart, and endryo. Expressed in primary and metastatic colon thursde, heart, and endryo. Expre	Protein Name	PDGFRA
Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse           Purification         The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.           Dilution         IF: 1:50-200 IHC 1:100-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PDGFRA           Observed Band         180kD           Cell Pathway         Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .           Tissue Specificity         Detected in platelets (at protein level). Widely expressed. Detected in brain, fibroblasts, smooth muscle, heart, and embryo. Expressed in primary and metastatic colon tumors and in normal colon tissue.           Function         catalytic activity:ATP + a [protein]L-tyrosine = ADP + a [protein]L-tyrosine phosphate., disease:A fusion of PDGFRA and FIP111 (FIP111-PDGFRA), due to an interstitial chromosomal deletion, is the cause of some cases of hypereosinophilic syndrome (HES) [MIM:607685]. HES is a rare hematologic disorder characterized by sustained overproduction necesptor that binds both PDGFR and Ana 2 tyrosine-protein kinase activity. similarity:Belongs to the protein kinase superfamily. Tyr protein kinase activity. similarity:Gena and PogEB and has a tyrosine-protein kinase activity. similarity:Gena in 5 lg-like C2-type (immunoglobulin-like) domain., similarity:Gottains 5 lg-like C2-type (immunoglobulin-like) domain., simil	Immunogen	Synthetic Peptide of PDGFR $\alpha$ at AA range of 1010-1090
Source         Monoclonal, Mouse           Purification         The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.           Dilution         IF: 1:50-200 IHC 1:100-200           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         PDGFRA           Observed Band         180kD           Cell Pathway         Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .           Tissue Specificity         Detected in platelets (at protein level). Widely expressed. Detected in brain, fibroblasts, smooth muscle, heart, and embryo. Expressed in primary and metastatic colon tumors and in normal colon tissue.           Function         catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. disease:A fusion of PDGFRA and FIP111 (FIP1L1-PDGFRA), due to an interstitial chromosomal deletion, is the cause of some cases of hypereosinophilic syndrome (HES) [MIM:607486]. HES is a rare hematologic disorder characterized by sustained overproduction of eosinophilis in the bone marrow, eosinophilia. tissue infiltration and organ damage. function.Receptor that binds both PDGFRA and PDGFB and has a tyrosine-protein kinase activitysimilarity:Contains 5 lg-like C2-type (immunoglobulin-like) domainssubunit.Homodimer, and heterodimer with PDGFRB. Interacts with the SH2 domain of SHB via phosphorylated Tyr-720 (By similarity). Interacts with the SH2 domain of SHB via phosphorylated Tyr-720 (By similarity). Thereacts with the SH2 domain of SHB via phos	Specificity	PDGFRa protein detects endogenous levels of PDGFRA
Purification       The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.         Dilution       IF: 1:50-200 IHC 1:100-200         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       PDGFRA         Observed Band       180kD         Cell Pathway       Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .         Tissue Specificity       Detected in platelets (at protein level). Widely expressed. Detected in brain, fibroblasts, smooth muscle, heart, and embryo. Expressed in primary and metastatic colon tumors and in normal colon tissue.         Function       cativity: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. disease: A fusion of PDGFRA and PDGFRA and erg and arge. function: Receptor that binds both PDGFA and PDGFB and has a tyrosine-protein kinase activity. Smillarity: Belongs to the protein lever of some cases of hypereosinophilic syndrome (HES) [MIM:607685]. HES is a rare hematologic disorder characterized by sustained overproduction of eosinophilis in the bone marrow, eosinophilia, tissue infiltration and sa tyrosine-protein kinase family. CSF-1/PDGF receptor subfamily. similarity:Contains 1 protein kinase domain., similarity:Contains 5 1g-like C2-type (immunoglobulin-like) domains, subunit:Homodimer, and heterodimer with PDGFRB. Interacts with the SH2 domain of SHB via phosphorylated Tyr-720 (By similarity). Interacts with the SH2 domain of SHB via phosphorylated Tyr-720. (By similarity). Interacts with the SH2 domain of SHB via phosphorylated Tyr-720. (By similarity	Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
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<ul> <li>fibroblasts, smooth muscle, heart, and embryo. Expressed in primary and metastatic colon tumors and in normal colon tissue.</li> <li>Function</li> <li>catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate., disease:A fusion of PDGFRA and FIP1L1 (FIP1L1-PDGFRA), due to an interstitial chromosomal deletion, is the cause of some cases of hypereosinophilic syndrome (HES) [MIM:607685]. HES is a rare hematologic disorder characterized by sustained overproduction of eosinophils in the bone marrow, eosinophilia, tissue infiltration and organ damage.,function:Receptor that binds both PDGFA and PDGFB and has a tyrosine-protein kinase activity.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Homodimer, and heterodimer with PDGFRB. Interacts with the SH2 domain of SHB via phosphorylated Tyr-720 (By similarity). Interacts with the</li> </ul>	Cell Pathway	
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	Function	phosphate.,disease:A fusion of PDGFRA and FIP1L1 (FIP1L1-PDGFRA), due to an interstitial chromosomal deletion, is the cause of some cases of hypereosinophilic syndrome (HES) [MIM:607685]. HES is a rare hematologic disorder characterized by sustained overproduction of eosinophils in the bone marrow, eosinophilia, tissue infiltration and organ damage.,function:Receptor that binds both PDGFA and PDGFB and has a tyrosine-protein kinase activity.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Homodimer, and heterodimer with PDGFRB. Interacts with the SH2 domain of SHB via phosphorylated Tyr-720 (By similarity). Interacts with the

し が 品生物 UpingBio	UpingBio technology Co.,Ltd © Tel: 400-999-8863 © Email:UpingBio@163.com @ Website: www.upingBio.com
Background	This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers. [provided by RefSeq, Mar 2012],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Immunofluorescence analysis of mouse-spleen tissue. 1,PDGFRα Mouse Monoclonal Antibody(7A3)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Rat-spleen tissue. 1,PDGFRα Mouse Monoclonal Antibody(7A3) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.