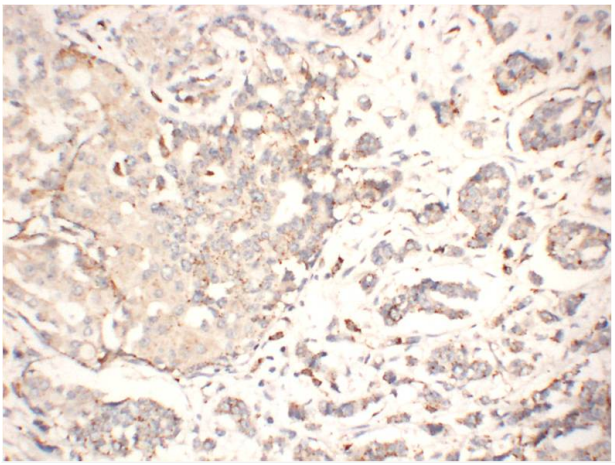
Src Mouse mAb(Mix-mA)

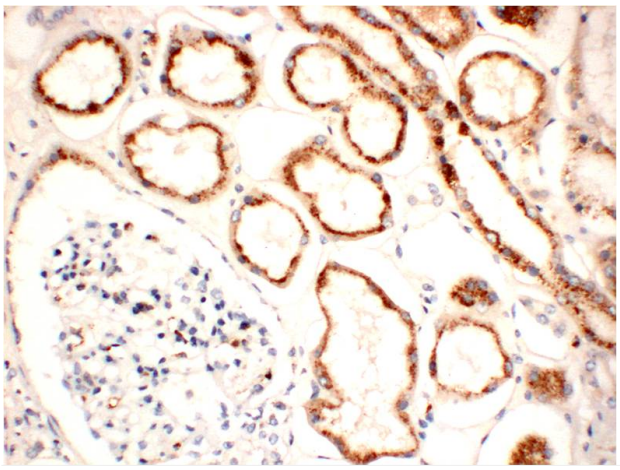
Catalog No	YP-Ab-04792
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	IHC;WB
Gene Name	SRC SRC1
Protein Name	Src
Immunogen	Synthesized peptide derived from human Src
Specificity	This antibody detects endogenous levels of Src at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.31% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p1:50-200 ,WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Proto-oncogene tyrosine-protein kinase Src (EC 2.7.10.2) (Proto-oncogene c-Src) (pp60c-src) (p60-Src)
Observed Band	60kD
Cell Pathway	Cell membrane ; Lipid-anchor . Mitochondrion inner membrane . Nucleus . Cytoplasm, cytoskeleton . Cytoplasm, perinuclear region . Cell junction, focal adhesion . Localizes to focal adhesion sites following integrin engagement (PubMed:22801373). Localization to focal adhesion sites requires myristoylation and the SH3 domain (PubMed:7525268). Colocalizes with PDLIM4 at the perinuclear region, but not at focal adhesions (PubMed:19307596). .
Tissue Specificity	Expressed ubiquitously. Platelets, neurons and osteoclasts express 5-fold to 200-fold higher levels than most other tissues.; [Isoform 1]: Expressed in spleen and liver. ; [Isoform 2]: Expressed in brain. ; [Isoform 3]: Expressed in brain.
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,PTM:Phosphorylated on Tyr-530 by c-Src kinase (CSK). The phosphorylated form is termed pp60c-src. The phosphorylated tail interacts with the SH2 domain thereby repressing kinase activity.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 SH3 domain.,subunit:Interacts with DDEF1/ASAP1; via the SH3 domain. Interacts with CCPG1 (By similarity). Interacts with CDCP1, PELP1, TGFB1I1 and TOM1L2. Interacts with the cytoplasmic domain of MUC1, phosphorylates it and increases binding of MUC1 with beta-catenin. Interacts with

	RALGPS1; via the SH3 domain. Interacts with HEV ORF3 protein; via the SH3 domain.,
Background	This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008],
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.

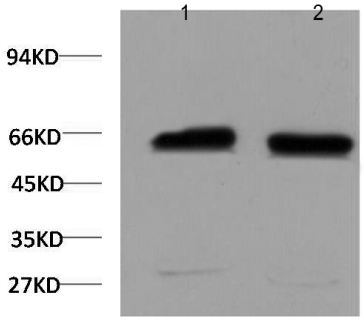
Products Images



Immunohistochemical analysis of paraffin-embedded Human Breast CarcinomaTissue using Src Mouse Monoclonal antibody diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human KidneyTissue using Src Mouse Monoclonal antibody diluted at 1:200.



Western blot analysis of 1)Hela Cell, 2) 293T Cell Lysate using SrcMouse Monoclonal mAb diluted at 1:2,000.