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# PTEN (phospho Ser380/T382/T383) Polyclonal Antibody

Catalog NoYP-Ab-00189isotypeIgGReactivityHuman;Mouse;RatApplicationsWB;IHC;IF;ELISAGene NamePTENProtein NamePhosphatidylinositol 3, 4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTENImmunogenThe antiserum was produced against synthesized peptide derived from human pTEN around the phosphorylation site of Ser380/Thr382/Thr383. AA range:370-400SpecificityPhospho-PTEN (S380/T382/T383) Polyclonal Antibody detects endogenous levels of PTEN protein inhys when phosphorylated at S380/T382/T383.FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.SourcePolyclonal, Rabbit,IgGPurificationThe antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.DilutionVB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000 IF 1:50-200Concentration1 mg/mIPurity≥90%Storage Stability-20°C/1 yearSynonymsPTEN; MMAC1; TEP1; Phosphatase PTEN; Mutated in multiple advanced cancers 1; Phosphatase and tensin homologObserved Band53kDCell PathwayCytoplasm. Nucleus. Nucleus, PML body. Monoubiquitinated form is nuclear. Nonubiquitinated form is cytoplasmic. Colocalized with PML and USP71 mPML nuclear bodies 11; 9/16620). XLP/BIRC4 promotes is nuclear. Nonubiquitinated form is cytoplasmic. Colocalized with PML and USP71 mPML nuclear bodies 11; 9/16202, NLP/BIRC4 promotes is nuclear. Nonubiquitinated form is cytoplasmic. Colocalized with PML and USP71 mPML nuclear bodies 11; 9/16202, NLP/BIRC4 promotes is nuclear. N		
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microdeletion of chromosome 10q23 involving PTEN and BMPR1A is a cause of chromosome 10q23 deletion syndrome [MIM:612242]. This syndrome shows overlapping features of the following three disorders: Bannayan-Zonana syndrome, Cowden disease and juvenile polyposis syndrome.,disease:Defects PTEN are a cause of Bannayan-Zonana syndrome (BZS) [MIM:153480]; also known as Ruvalcaba-Riley-Smith or Bannayan-Riley-Ruvalcaba syndrome (BRRS). In BZS there seems not to be an increased risk of malignancy. It has a partial clinical overlap with CD. BZS is characterized by the classic triad of macroce	n
<b>Background</b> This gene was identified as a tumor suppressor that is mutated in a large numb of cancers at high frequency. The protein encoded by this gene is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tensin like domain as well as a catalytic domain similar to that of the dual specificity protein tyrosine phosphatases. Unlike most of the protein tyrosine phosphatases, this protein preferentially dephosphorylates phosphoinositide substrates. It negative regulates intracellular levels of phosphatidylinositol-3,4,5-trisphosphate in cells and functions as a tumor suppressor by negatively regulating AKT/PKB signalin pathway. The use of a non-canonical (CUG) upstream initiation site produces a longer isoform that initiates translation with a leucine, and is thought to be preferentially associated with the mitochondrial inner membrane. This longer isoform may help regulate ener	У
matters needing Avoid repeated freezing and thawing!   attention Avoid repeated freezing and thawing!	
<b>Usage suggestions</b> This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.	

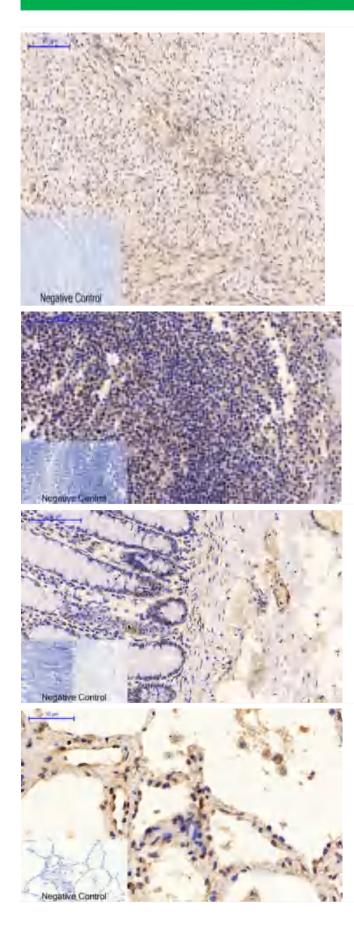


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## **Products Images**



Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1,PTEN (phospho Ser380/T382/T383) Polyclonal Antibody 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.

Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1,PTEN (phospho Ser380/T382/T383) Polyclonal Antibody 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.

Immunohistochemical analysis of paraffin-embedded Human-colon tissue. 1,PTEN (phospho Ser380/T382/T383) Polyclonal Antibody 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.

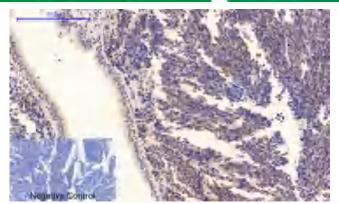
Immunohistochemical analysis of paraffin-embedded Human-lung tissue. 1,PTEN (phospho Ser380/T382/T383) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



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Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue. 1,PTEN (phospho Ser380/T382/T383) Polyclonal Antibody 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.



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