Anti-Phospho-PTEN (Ser380) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P010419

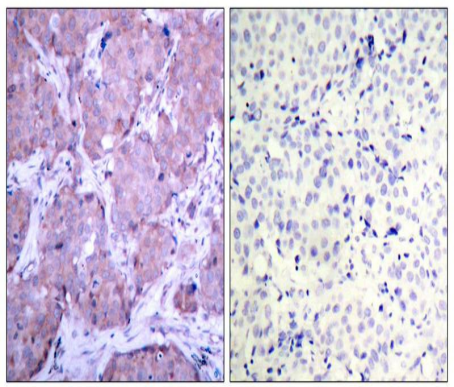
Product Information

Application	IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA
Reactivity	Human, Mouse, Rat
Dilution	IHC-P 1:50~1:100; ICC 1:100~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Synthetic peptide of human PTEN
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-PTEN (Ser380) antibody is for research use only and not for use in diagnostic or therapeutic procedures.

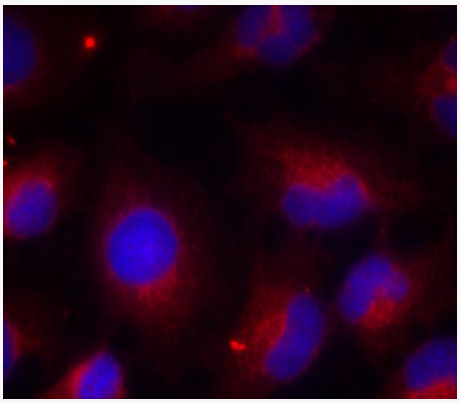
Protein Information

Synonyms	PTEN, MMAC1, TEP1, Phosphatidylinositol 3, 4, 5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN, Mutated in multiple advanced cancers 1, Phosphatase and tensin homolog.
Uniprot ID	P60484
Gene ID	5728
Background	Tumor suppressor. Acts as a dual-specificity protein phosphatase, dephosphorylating tyrosine-, serine- and threonine-phosphorylated proteins. Also acts as a lipid phosphatase, removing the phosphate in the D3 position of the inositol ring from phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 3,4-diphosphate, phosphatidylinositol 3-phosphate and inositol 1,3,4,5-tetrakisphosphate with order of substrate preference in vitro PtdIns(3,4,5)P3 > PtdIns(3,4)P2 > PtdIns3P > Ins(1,3,4,5)P4.

Validation Images



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue using Phospho-PTEN (Ser380) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Immunofluorescence analysis of Phospho-PTEN (Ser380) in Hela cells using PTEN (Phospho-Ser380) antibody and DAPI (blue).