Product Name: **Phospho-PTEN (Ser380) Rabbit Polyclonal Antibody**
Catalog #: **APRab00944**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:50-1:100,ICC/IF 1:100-1:200
Molecular Weight	-

Antigen Information

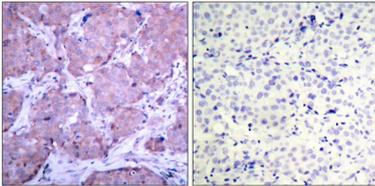|	
Gene Name	PTEN
Alternative Names	PTEN; MMAC1; TEP1; Phosphatidylinositol 3; 4; 5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN; Mutated in multiple advanced cancers 1; Phosphatase and tensin homolog
Gene ID	5728
SwissProt ID	P60484
Immunogen	A synthetic Phosphorylated peptide corresponding to residues target protein

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.
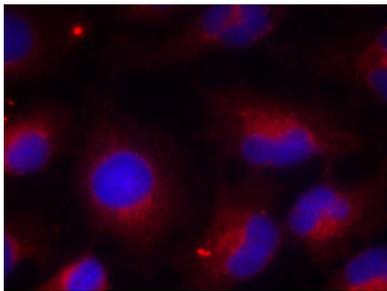
Research Area

Cell Biology

Image Data

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).