

Anti-PTEN Rabbit pAb

Purified Rabbit Polyclonal Antibody

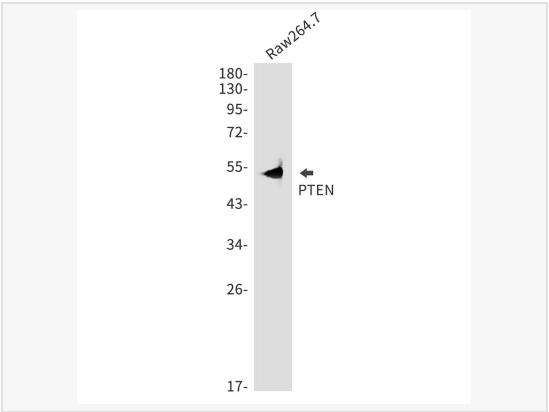
Catalog # P012598

Product Information

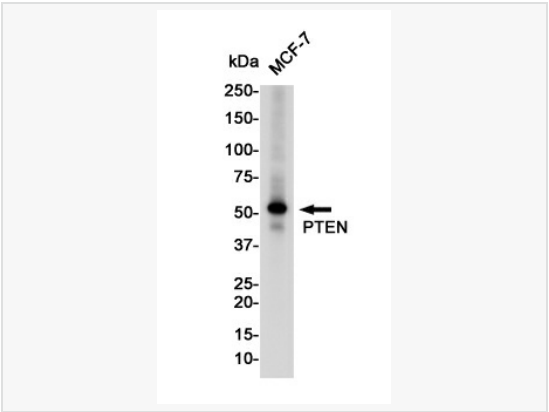
Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human PTEN
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity 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-PTEN 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.
Calculated MW	Calculated MW: 47 kDa; Observed MW: 54 kDa
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.



Western blot analysis of PTEN in Raw264.7 lysates using PTEN antibody.



Western blot analysis of PTEN in MCF-7 lysates using PTEN antibody.