Product Name: PTEN Mouse Monoclonal Antibody
Catalog #: AMM84951
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:50-1:100
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	5728.0
SwissProt ID	P60484
Immunogen	Synthetic peptide conjugated to KLH.

Background

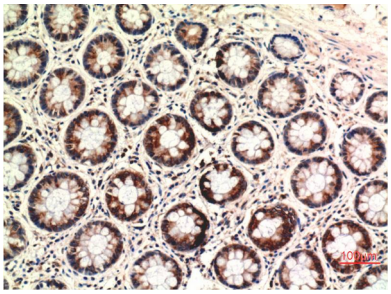
Tumor suppressor. Acts as a dual-specificity protein phosphatase, dephosphorylating tyrosine-, serine- and threonine-

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

Apoptosis,PI3K-Akt signaling pathway

Image Data



Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma Tissue using PTEN antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.