
Product Name: PTEN Rabbit Polyclonal Antibody**Catalog #: APRab03638**

For research use only.

Summary

| | |
|----------------------|--|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | WB |
| Reactivity | Rat,Mouse |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| 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

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|-------------------------|--|
| Dilution Ratio | WB 1:500-1:1000 |
| Molecular Weight | Calculated MW: 47 kDa; Observed MW: 54 kDa |

Antigen Information

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|--------------------------|---|
| 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 peptide corresponding to target protein |

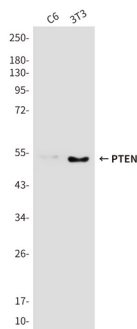
Background

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 $\text{PtdIns}(3,4,5)\text{P}_3 > \text{PtdIns}(3,4)\text{P}_2 > \text{PtdIns}3\text{P} > \text{Ins}(1,3,4,5)\text{P}_4$.

Research Area

Cell Biology

Image Data



Western blot analysis of PTEN in C6 and 3T3 lysates using PTEN antibody.