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Datasheet for ABIN129639  
**anti-PTENP1 antibody (pSer29, pThr32)**

### Overview

Quantity:	100 µg
Target:	PTENP1
Binding Specificity:	AA 223-237, pSer29, pThr32
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTENP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to amino acids 223-237 of human PTEN-P1 protein. Immunogen type: Recombinant
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Sheep (Ovine), Dog (Canine), Macaque, Chimpanzee, Rat (Rattus)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

### Target Details

Target:	PTENP1
Alternative Name:	PTEN-P1 ( <a href="#">PTENP1 Products</a> )

## Target Details

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**Background:** This gene (PTENP1) is a highly homologous pseudogene of PTEN. PTEN was identified as a tumor suppressor that is mutated in a large number of cancers at high frequency. PTEN is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tension like domain as well as a catalytic domain similar to that of the dual specificity protein tyrosine phosphatases. Unlike most of the protein tyrosine phosphatases, this protein preferentially dephosphorylates phosphoinositide substrates. It negatively regulates intracellular levels of phosphatidylinositol-3,4,5-trisphosphate in cells and functions as a tumor suppressor by negatively regulating AKT/PKB signaling pathway.

Synonyms: Phosphatase and tensin homolog pseudogene 1 antibody, psiPTEN antibody, PTEN rs antibody, PTEN2 antibody, PTH2 antibody, TEP1 antibody

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**Gene ID:** 5728, 73765544

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**UniProt:** [Q43460](#)

## Application Details

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**Application Notes:** This affinity purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 41 kDa in size corresponding to PTEN-P1 protein by western blotting in the appropriate cell lysate or extract.

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 0.87 mg/mL

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**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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**Storage:** -20 °C