

Datasheet for ABIN129639

anti-PTENP1 antibody (pSer29, pThr32)



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Overview

Quantity:	100 µg
Target:	PTENP1
Binding Specificity:	pSer29, pThr32
Reactivity:	Human, Chimpanzee, Dog, Macaque, Mouse, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTENP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	PTEN-P1 phospho S29/T32 Antibody
Immunogen:	<p>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 protein.</p> <p>Immunogen Type: Recombinant Protein</p>
Isotype:	IgG
Cross-Reactivity (Details):	This affinity-purified antibody is directed against the phosphorylated form of human PTEN protein at the pS29 and pT32 residues.
Characteristics:	<p>Synonyms: rabbit anti-PTEN-P1 pS29 pT32 antibody, Phosphatase and tensin homolog 2, Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN, Mutated in multiple advanced cancers 1, Phosphatase and tensin homolog,</p>

Product Details

PTEN, MMAC1, TEP1

Purification: The product was affinity purified from monospecific antiserum by immunoaffinity purification.

Sterility: Sterile filtered

Target Details

Target: PTENP1

Alternative Name: PTEN-P1 ([PTENP1 Products](#))

Background: 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.

Gene ID: 5728, 73765544

UniProt: [O43460](#)

Application Details

Application Notes: Application Note: 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.

Western Blot Dilution: 1:500 - 1:2,000

ELISA Dilution: 1:20,000 - 1:80,000

Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.87 mg/mL

Handling

Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months