

Datasheet for ABIN6242543
anti-PTEN antibody (AA 361-390)



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1 Image

Overview

Quantity:	400 µL
Target:	PTEN
Binding Specificity:	AA 361-390
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTEN antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This PTEN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 361-390 amino acids from the Central region of human PTEN.
Clone:	RB39430
Isotype:	Ig Fraction
Predicted Reactivity:	M, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PTEN
Alternative Name:	PTEN (PTEN Products)

Target Details

Background: This gene was identified as a tumor suppressor that is mutated in a large number of cancers at high frequency. The protein encoded this gene is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tensin 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.

Molecular Weight: 47166

NCBI Accession: [NP_000305](#)

UniProt: [P60484](#)

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Inositol Metabolic Process](#), [Synaptic Membrane](#), [Regulation of Cell Size](#), [Autophagy](#), [Platelet-derived growth Factor Receptor Signaling](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [BCR Signaling](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

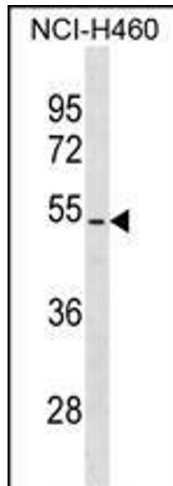
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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

Expiry Date: 6 months



Western Blotting

Image 1. PTEN Antibody (/) (ABIN6242543 and ABIN6577361) western blot analysis in NCI- cell line lysates (35 µg/lane). This demonstrates the PTEN antibody detected the PTEN protein (arrow).