

Datasheet for ABIN1539743
anti-PTEN antibody (pTyr336)



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1 Image

Overview

Quantity:	400 µL
Target:	PTEN
Binding Specificity:	pTyr336
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Dot Blot (DB)

Product Details

Immunogen:	This PTEN Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y336 of human PTEN.
Clone:	RB39435
Isotype:	IgG
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PTEN
Alternative Name:	PTEN (PTEN Products)
Background:	This gene was identified as a tumor suppressor that is mutated in a large number of cancers at

Target Details

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.

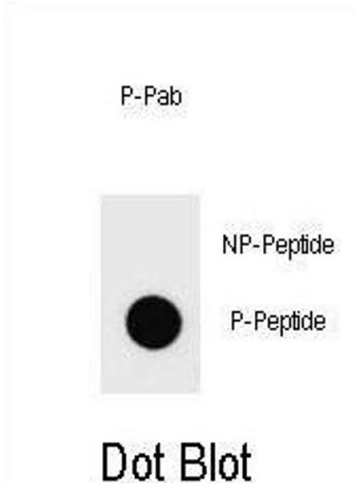
Molecular Weight:	47166
Gene ID:	5728
NCBI Accession:	NP_000305
UniProt:	P60484
Pathways:	TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Inositol Metabolic Process , Synaptic Membrane , Regulation of Cell Size , Autophagy , Platelet-derived growth Factor Receptor Signaling , Signaling of Hepatocyte Growth Factor Receptor , BCR Signaling

Application Details

Application Notes:	DB: 1:500
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
Storage Comment:	Phospho-PTEN-Y336 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



Dot Blot

Image 1. Dot blot analysis of Phospho-PTEN- Antibody Phospho-specific Pab j on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6 µg per ml.