PTEN recombinant antibody

Rabbit anti-PTEN Recombinant Monoclonal Antibody [BLR270L]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213675	**Rabbit**	**Human, Mouse, Rat**	**Western Blot**

PRODUCT SYNONYMS

PTEN; Monoclonal Recombinant Antibody; Rabbit anti-PTEN Recombinant Monoclonal Antibody [BLR270L]; mutated in multiple advanced cancers 1; mitochondrial phosphatase and tensin protein alpha; TEP1; PTENbeta; PTEN1; protein tyrosine phosphatase; phosphatidylinositol-3; 4; 5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN; phosphatidylinositol 3; phosphatase and tensin-like protein; Phosphatase and tensin homolog; 10q23del; mitochondrial PTENalpha; MHAM; GLM2; DEC; CWS1; BZS; MMAC1; MMAC1 phosphatase and tensin homolog deleted on chromosome 10; Phosphatidylinositol 3; phosphatase and tensin homolog; PTEN recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	BLR270L
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	100ug/ml (varies by lot)
Applicable Applications for PTEN recombinant antibody	WB (Western Blot)
Immunogen	Between 353 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES

WB (Western Blot)
Detection of mouse and rat PTEN by western blot. Samples: Whole cell lysate (50 ug) from 70Z/3, NIH 3T3, Ba/F3, EL4, and C6 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-PTEN recombinant monoclonal antibody (AAA213675 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .

WB (Western Blot)
Detection of human PTEN by western blot. Samples: Whole cell lysate (50 ug) from HeLa, OVCAR-3, SR, MCF-7, and NCI-H460 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-PTEN recombinant monoclonal antibody (AAA213675 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .

ADDITIONAL INFORMATION

Related Product Information for PTEN recombinant antibody	PTEN (phosphatase and tensin homolog) is a phosphatidylinositol-3,4,5-triphosphate 3-phosphatase that has been identified as a tumor suppressor. PTEN is a dual specificity tyrosine and serine/threonine phosphatase that preferentially dephosphorylates phosphoinositide substrates and negatively regulates the AKT/PKB signaling pathway. Through its action, PTEN has been shown to modulate cell cycle progression, cell survival, cell migration, cell adhesion, and insulin signaling.
Product Categories/Family for PTEN recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	73765544
NCBI GeneID	5728
NCBI Accession #	NP_000305.3
NCBI GenBank Nucleotide #	NM_000314.4
UniProt Accession #	P60484; O00633; O02679; Q6ICT7; B2R904
Molecular Weight	47,166 Da
NCBI Official Full Name	phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN
NCBI Official Synonym Full Names	phosphatase and tensin homolog
NCBI Official Symbol	PTEN
NCBI Official Synonym Symbols	BZS; DEC; CWS1; GLM2; MHAM; TEP1; MMAC1; PTEN1; 10q23del
NCBI Protein Information	phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN; phosphatase and tensin-like protein; mutated in multiple advanced cancers 1; MMAC1 phosphatase and tensin homolog deleted on chromosome 10; phosphatidyli
UniProt Protein Name	Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN
UniProt Gene Name	**PTEN**
UniProt Synonym Gene Names	MMAC1; TEP1
UniProt Entry Name	PTEN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/pten-recombinant-antibody-clone-blr270l-western-blot-elisa/213675