

Mouse PTEN Monoclonal Antibody | anti-PTEN antibody

PTEN (30G12) Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62296	Mouse	Human, Mouse, Rat, Monkey, Chinese hamster, Dog	Immunohistochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

PTEN; Monoclonal Antibody; PTEN (30G12) Mouse mAb; anti-PTEN antibody

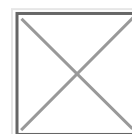
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey, Chinese hamster, Dog
Clonality	Monoclonal
Isotype	IgG2b
Specificity	PTEN (30G12) Mouse mAb detects endogenous levels of total PTEN protein.
Sequence Length	403
Applicable Applications for anti-PTEN antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a synthetic peptide (KLH-coupled) corresponding to carboxy-terminal residues of human PTEN.
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

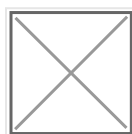
IMAGES



IHC (Immunohistochemistry)



IF (Immunofluorescence)



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-PTEN antibody

As human tumors progress to advanced stages, one genetic alteration that occurs at high frequency is a loss of heterozygosity (LOH) at chromosome 10q23. Mapping of homozygous deletions on this chromosome led to the isolation of the PTEN gene, also designated MMAC1 (for mutated in multiple advanced cancers) and TEP1. This candidate tumor suppressor gene exhibits a high frequency of mutations in human glioblastomas and is also mutated in other cancers, including sporadic brain, breast, kidney and prostate cancers. PTEN has been associated with Cowden disease, an autosomal dominant cancer predisposition syndrome. The PTEN gene product is a putative protein tyrosine phosphatase that is localized to the cytoplasm, and it shares extensive homology with the cytoskeletal proteins tensin and auxilin. Gene transfer studies have indicated that the phosphatase domain of PTEN is essential for growth suppression of glioma cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4240387
NCBI GeneID	5728
Molecular Weight	55kDa
NCBI Official Full Name	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; PTENbeta
NCBI Protein Information	phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN
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

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-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/62296>