

Rabbit PTEN Polyclonal Antibody | anti-PTEN antibody

PTEN (Phospho-Ser380)

CATALOG # AAA47793	HOST Rabbit	APPLICATIONS Immunohistochemistry, Immunofluorescence
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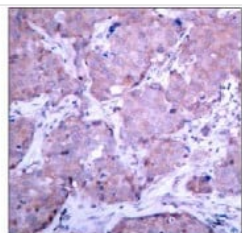
PRODUCT SYNONYMS

PTEN; Polyclonal Antibody; PTEN (Phospho-Ser380); anti-PTEN antibody

PRODUCT SPECIFICATIONS

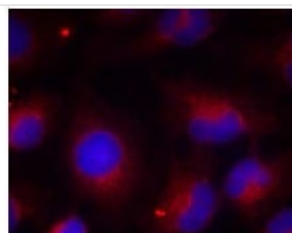
Host	Rabbit
Clonality	Polyclonal
Specificity	This antibody detects endogenous human, mouse, and rat PTEN only when phosphorylated at serine 380.
Form/Format	100ul at 1.0mg/ml in PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide- reactive antibodies were removed by chromatography on non-phosphorylated peptide.
Applicable Applications for anti-PTEN antibody	IHC (Immunohistochemistry), IF (Immunofluorescence)
Antigen	Peptide sequence that includes phosphorylation site of serine 380 derived from human PTEN and conjugated to KLH.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Can be stored at 4 degree C for short-term.

IMAGES



Detection of PTEN (phospho-Ser380) in paraffin-embedded human breast carcinoma tissue.

IHC (Immunohistochemistry)



Detection of PTEN (phospho-Ser380) in methanol-fixed HeLa cells.

IF (Immunofluorescence)

ADDITIONAL INFORMATION

Related Product Information for anti-PTEN antibody

Phosphatase and tensin homolog (PTEN) was identified as a tumor suppressor that is mutated in many cancers. PTEN is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tensin-like domain as well as a catalytic domain similar to the dual specificity protein tyrosine phosphatases. Unlike most protein tyrosine phosphatases, PTEN 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.

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.