

Goat anti-PTEN Antibody

Item Number	dAP-0544
Target Molecule	Principle Name: PTEN; Official Symbol: PTEN; All Names and Symbols: PTEN; BZS; MHAM; TEP1; MMAC1; PTEN1; MGC11227; phosphatase and tensin homolog (mutated in multiple advanced cancers 1); tensin homolog; mutated in multiple advanced cancers 1; MMAC1 phosphatase and tension homolog deleted on chromosome 10; phosphatase and; Accession Number (s): NP_000305.3; Human Gene ID(s): 5728; Non-Human GeneID(s):
Immunogen	CNEPFDEDQHTQIT, is from internal region (near the C Terminus)
Applications	Pep ELISA, WB, IP Species Tested: Human, Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 55kDa band observed in lysates of cell line A431 and 50kDa in lysates of cell line NIH3T3 (calculated MW of 47.1kDa according to Human NP_000305 and Mouse NP_032986.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Cantley LC, Neel BG. New insights into tumor suppression: PTEN suppresses tumor formation by restraining the phosphoinositide 3-kinase/AKT pathway. Proc Natl Acad Sci U S A. 1999 Apr 13;96(8):4240-5. Review. PMID: 10200246 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**