PTEN Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 200145
Unit: 0.1 mg

Description:
PTEN (Phosphatase and tensin homolog) is a dual-specificity protein phosphatase, dephosphorylating tyrosine-, threonine- and serine-phosphorylated proteins. PTEN has also a lipid phosphatase activity that is critical for its tumor suppression function. PTEN antagonizes the PI3K-AKT/PKB signaling pathway by dephosphorylating phosphoinositides and thereby modulating cell cycle progression and cell survival. Defects in PTEN are the cause of numerous cancers such as in Cowden disease (breast, thyroid and skin cancer predisposition), Lhermitte-Duclos disease, and head and neck squamous cell carcinoma.

Isotype: Rabbit Ig
Applications: E, WB
Species Reactivity: H, M, R, Mk, X, Zf
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.
Alternate Names: Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN; Phosphatase and tensin homolog; Mutated in multiple advanced cancers 1; MMAC1, TEP1
Accession No.: P60484

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human PTEN.
Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.