
PTEN (1B8) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252929

Unit: 0.1 ml

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: Mouse IgG1

Applications: WB, FC, IF

Species Reactivity: H, M

Format: Each vial contains 0.1 ml IgG in PBS pH7.4, 50% glycerol with 0.03% 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: Purified recombinant fragment of PTEN expressed in E. coli.

Application Notes: WB: 1:500-1:2000; IF: 1:200-1:1000; FC: 1:200-1:400;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

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