

PTEN(R130G)**PTEN (R130G)****Cat. #:** 26312**Gene Symbol:** PTEN, 10q23del, BZS, DEC, GLM2, MHAM, MMAC1, PTEN1, TEPI, MMAC1, PTEN1, TEPI**Description:** Anti-PTEN (R130G) Mouse Monoclonal Antibody

Background: Phosphatase and tensin homolog (PTEN) was identified as a tumor suppressor that is mutated in a large number of cancers at high frequency. It is one of the most commonly lost tumor suppressors in human cancer. During tumor development, mutations and deletions of PTEN occur that inactivate its enzymatic activity leading to increased cell proliferation and reduced cell death. Frequent genetic inactivation of PTEN occurs in glioblastoma, endometrial cancer, and prostate cancer; and reduced expression is found in many other tumor types such as lung and breast cancer.

Immunogen: A synthetic peptide from the internal region of PTEN which includes the mutation of R130G, human origin.

Tested applications: ELISA, WB

Recommended dilutions:

ELISA: 1:1000–1:5000

WB: 1:500–1:1000

Concentration: 1 mg/ml

Host Species: Mouse

Clonality: Monoclonal

Purity: Purified from ascites

Format: Liquid

Storage buffer:

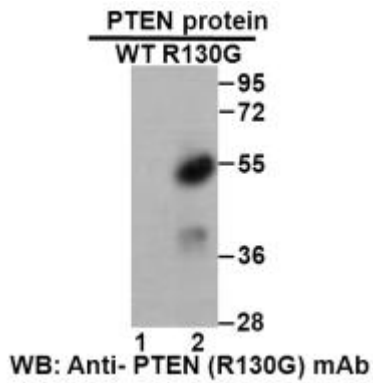
Preservative: no

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes R130G mutant, but not wild type PTEN from vertebrates.

Storage Conditions: Store at –20°C. Avoid

Western blot:



Western blot analysis of recombinant PTEN R130G) and wild type proteins. Purified His-tagged FGFR1 (R130G) protein (lane 2) and corresponding wild type protein (lane 1) were blotted with anti-PTEN (R130G) monoclonal antibody (Cat. #26312).