Product datasheet

Anti-PTEN (Phospho-S380) Antibody (Clone#HAE-16)

Catalog Number: *BM4685*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-PTEN (Phospho-S380) Antibody (Clone#HAE-16)
Gene Name	PTEN
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, ICC/IF
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human PTEN
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	47-55 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

PTEN is also known as BZS, DEC, CWS1, GLM2, MHAM, TEP1, PTEN1. It is mapped to 10q23.3. This gene was identified as a tumor suppressor that is mutated in a large number of cancers at high frequency. The protein encoded by this gene is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tensin like domain as well as a catalytic domain similar to that of the dual specificity protein tyrosine phosphatases. Unlike most of the protein tyrosine phosphatases, this protein preferentially dephosphorylates phosphoinositide substrates. The PTEN structure reveals a phosphatase domain that is similar to protein phosphatases but also has an enlarged active site important for the accommodation of the phosphoinositide substrate.

Reference

Anti-PTEN (Phospho-S380) Antibody (Clone#HAE-16)被引用在1文献中。

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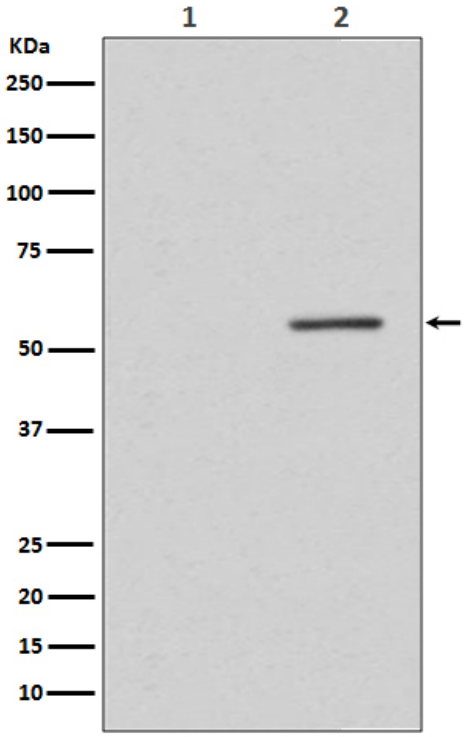
Selected Validation Data



Western blot analysis of Phospho-PTEN (S380) expression in (1) MCF-7 cell treated with alkaline phosphatase lysate; (2) MCF-7 cell lysate.