

## PHOSPHO-PTEN (SER380) RABBIT PAB

**Cat.#:** N225288

**Product Name:** Anti-Phospho-PTEN (Ser380) Rabbit pAb

**Synonyms:** PTEN; MMAC1; TEPI; Phosphatidylinositol 3; 4; 5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN; Mutated in multiple advanced cancers 1; Phosphatase and tensin homolog

**UNIPROT ID:** P60484

**Background:** Tumor suppressor. Acts as a dual-specificity protein phosphatase, dephosphorylating tyrosine-, serine- and threonine-phosphorylated proteins. Also acts as a lipid phosphatase, removing the phosphate in the D3 position of the inositol ring from phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 3,4-diphosphate, phosphatidylinositol 3-phosphate and inositol 1,3,4,5-tetrakisphosphate with order of substrate preference in vitro  $\text{PtdIns}(3,4,5)\text{P}_3 > \text{PtdIns}(3,4)\text{P}_2 > \text{PtdIns}3\text{P} > \text{Ins}(1,3,4,5)\text{P}_4$ .

**Immunogen:** Synthetic peptide of human PTEN

**Applications:** IHC-P, ICC/IF

**Recommended Dilutions:** IHC: 1/50-1/100 ICC: 1/100-1/200

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Clone ID:** -

**MW:** -

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human, Mouse, Rat

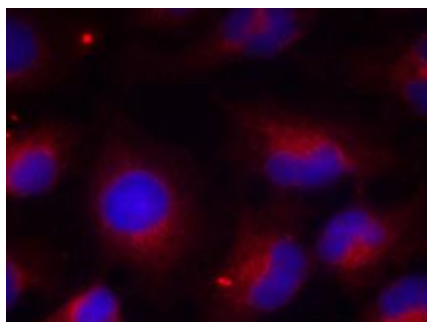
**Conjugation:** Unconjugated

**Modification:** Phosphorylated

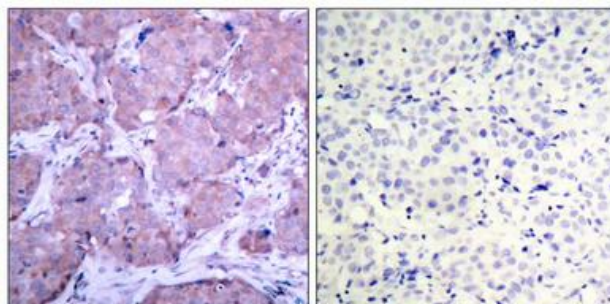
**Constituents:** PBS (without  $\text{Mg}^{2+}$  and  $\text{Ca}^{2+}$ ), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Cell Biology

**Storage & Shipping:** Store at  $-20^{\circ}\text{C}$ . Avoid repeated freezing and thawing



Immunofluorescence analysis of Phospho-PTEN (Ser380) in Hela cells using PTEN (Phospho-Ser380) antibody, and DAPI (blue).



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue using Phospho-PTEN (Ser380) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



# Product Description

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