

## PTEN Antibody | anti-PTEN antibody

PTEN (Ab-380/382/383) Antibody

|                               |                                        |                                                           |
|-------------------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA110959</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|-----------------------------------------------------------|

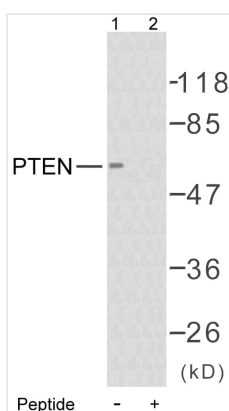
### PRODUCT SYNONYMS

PTEN; PTEN (Ab-380/382/383) Antibody; anti-PTEN antibody

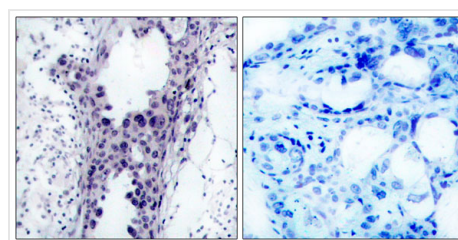
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                   |
| Specificity                                    | PTEN (Ab-380/382/383) antibody detects endogenous levels of total PTEN protein.                                                                                                     |
| Purity/Purification                            | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                |
| Form/Format                                    | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                      |
| Sequence Length                                | 403                                                                                                                                                                                 |
| Applicable Applications for anti-PTEN antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                       |
| Immunogen                                      | The antiserum was produced against synthesized non-phosphopeptide derived from human PTEN around the phosphorylation site of serine 380 and threonine 382/383 (R-Y-SP-D-TP-TP-D-S). |
| Preparation and Storage                        | Store at -20 degree C for 1 year                                                                                                                                                    |

### IMAGES


**WB (Western Blot)**

Western blot analysis of extracts from HT29 cells using PTEN (Ab-380/382/383) antibody.


**IHC (Immunohistochemistry)**

Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PTEN (Ab-380/382/383) antibody.

### ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-PTEN antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                       | Al-Khouri AM, et al. (2005) J Biol Chem. 280(42):35195-35202. Torres J, et al. (2001) J Biol Chem. 276(2): 993-998. Vazquez F, et al. (2000) Mol Cell Biol. 20(14): 5010-5018.                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 73765544                                                                                                          |
| NCBI GeneID                      | 5728                                                                                                              |
| NCBI Accession #                 | NP_000305.3                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_000314.6                                                                                                       |
| UniProt Accession #              | P60484; O00633; O02679; Q6ICT7; B2R904; F2YHV0                                                                    |
| Molecular Weight                 | 19,796 Da                                                                                                         |
| NCBI Official Full Name          | phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN isoform PTEN |
| NCBI Official Synonym Full Names | phosphatase and tensin homolog                                                                                    |
| NCBI Official Symbol             | PTEN                                                                                                              |
| NCBI Official Synonym Symbols    | BZS; DEC; CWS1; GLM2; MHAM; TEP1; MMAC1; PTEN1; 10q23del; PTENbeta                                                |
| NCBI Protein Information         | phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN              |
| UniProt Protein Name             | Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN              |
| UniProt Gene Name                | PTEN                                                                                                              |
| UniProt Synonym Gene Names       | MMAC1; TEP1                                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-mouse-rat-antibody/pten/110959>