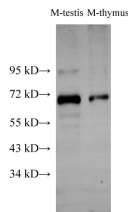


## PTEN Polyclonal Antibody

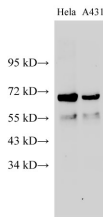
<b>Catalog No.</b>	E-AB-40284	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,IHC,IF	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

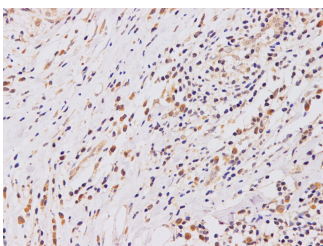
### Images



Western Blot analysis of Mouse testis and Mouse thymus using PTEN Polyclonal Antibody at dilution of 1:500



Western Blot analysis of HeLa and A431 cells using PTEN Polyclonal Antibody at dilution of 1:500



Immunohistochemistry of paraffin-embedded Human breast cancer using PTEN Polyclonal Antibody at dilution of 1:100

### Immunogen Information

<b>Immunogen</b>	Recombinant Human Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN protein
<b>GeneID</b>	5728
<b>Swissprot</b>	P60484
<b>Synonyms</b>	BZS,DEC,GLM2,MGC11227,MHAM,MMAC1,Pten,PTEN,PTEN1,TEP1

### Product Information

<b>Calculated MW</b>	65,47,20 kDa
<b>Observed MW</b>	68 kDa
<b>Buffer</b>	PBS with 0.05% Proclin300 and 50% glycerol, pH7.4.
<b>Purify</b>	Antigen Affinity Purification
<b>Dilution</b>	WB 1:500-1:1000 IHC 1:100-1:200 IF 1:100-1:400

### Background

PTEN (also designated MMAC1), products of tumor suppressor genes, are found deleted in most human gliomas. The PTEN genes are also mutated in many other tumors, such as brain, breast, kidney and prostate cancers. PTEN is a protein tyrosine phosphatase that may terminate the signaling transduction pathways mediated by PI 3-kinase/Akt. PTEN has an apparent molecular weight of 55 kDa and it is located in the cytosol.

### For Research Use Only

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Applications: WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.