

For Research Use Only

# PTEN Monoclonal antibody

Catalog Number: 60300-3-Ig



## Basic Information

<b>Catalog Number:</b> 60300-3-Ig	<b>GenBank Accession Number:</b> BC005821	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5728	<b>CloneNo.:</b> 4D8G9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P60484	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> phosphatase and tensin homolog	
<b>Immunogen Catalog Number:</b> AG17274	<b>Calculated MW:</b> 47 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> HeLa cells, MCF-7 cells, DU 145 cells, HT-29 cells, NIH/3T3 cells

## Background Information

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.

## Storage

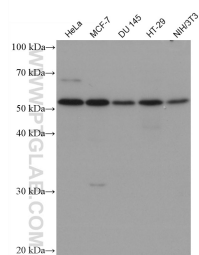
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60300-3-Ig (PTEN antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.