

## Recombinant PTEN Monoclonal Antibody

**catalog number: E-AB-81483**

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

### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	A synthetic peptide of human PTEN
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	R02-9D3
<b>Purification</b>	Affinity Purified
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

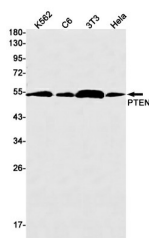
### Applications

**WB**

### Recommended Dilution

1:500-1:1000

### Data



Western blot detection of PTEN in K562,C6,3T3,HeLa cell lysates using PTEN Rabbit mAb(1:1000 diluted).Predicted band size:47kDa.Observed band size:54kDa.

**Observed-MW:54 kDa**

**Calculated-MW:47 kDa**

### Preparation & Storage

**Storage**

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping**

The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

### 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