

For Research Use Only

# PCMT1 Monoclonal antibody

Catalog Number: 60172-1-Ig



## Basic Information

|  |   |  |
|--|---|--|
| <b>Catalog Number:</b><br>60172-1-Ig   | <b>GenBank Accession Number:</b><br>BC008748                                  | <b>Purification Method:</b><br>Protein A purification                    |
| <b>Size:</b><br>150ul , Concentration: 1500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>5110   | <b>CloneNo.:</b><br>3C8G8  |
| <b>Source:</b><br>Mouse  | <b>Full Name:</b><br>protein-L-isoaspartate (D-aspartate) O-methyltransferase | <b>Recommended Dilutions:</b><br>WB 1:1000-1:10000<br>IF/ICC 1:200-1:800 |
| <b>Isotype:</b><br>IgG1  | <b>Calculated MW:</b><br>25 kDa   |  |
| <b>Immunogen Catalog Number:</b><br>AG6277   | <b>Observed MW:</b><br>25-27 kDa  |  |

## Applications

**Tested Applications:**  
WB, IF, ELISA

**Species Specificity:**  
human, pig

**Positive Controls:**  
**WB :** HeLa cells, Raji cells, pig brain tissue, HEK-293 cells, HepG2 cells, K-562 cells  
**IF/ICC :** HeLa cells,

## Background Information

The PCMT1 gene encodes the protein repair enzyme protein-L-isoaspartate (D-aspartate) O-methyltransferase, which is known to protect certain neural cells against Bax-induced apoptosis.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

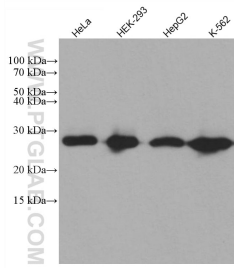
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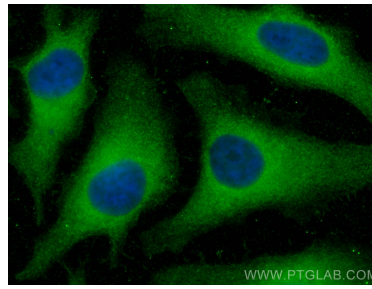
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60172-1-Ig (PCMT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PCMT1 antibody (60172-1-Ig, Clone: 3C8G8 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).