

For Research Use Only

# PSMD2 Monoclonal antibody

Catalog Number: 67770-1-Ig



## Basic Information

<b>Catalog Number:</b> 67770-1-Ig	<b>GenBank Accession Number:</b> BC002368	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5708	<b>CloneNo.:</b> 1G7G5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13200	<b>Recommended Dilutions:</b> WB 1:20000-1:100000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> proteasome (prosome, macropain) 26S subunit, non-ATPase, 2	
<b>Immunogen Catalog Number:</b> AG6543	<b>Calculated MW:</b> 100 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

Tumor necrosis factor type 1 receptor-associated protein 2 (TRAP2), encoded by PSMD2 gene, is a non-ATPase regulatory subunit of the 26 proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins. The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. TRAP2 may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor.

## Storage

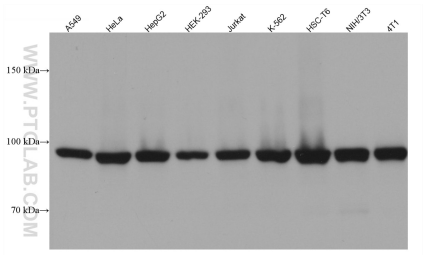
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
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# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67770-1-Ig (PSMD2 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.