

PSMD2 Monoclonal antibody

Catalog Number: 67770-1-Ig

Basic Information

Catalog Number:

67770-1-Ig

Size:

500 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6543

GenBank Accession Number:

BC002368

GeneID (NCBI):

5708

UNIPROT ID:

Q13200

Full Name:proteasome (prosome, macropain)
26S subunit, non-ATPase, 2**Calculated MW:**

100 kDa

Observed MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

1G7G5

Recommended Dilutions:

WB 1:20000-1:100000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:WB : A549 cells, HeLa cells, HepG2 cells, HEK-293 cells,
Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells,
4T1 cells

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:

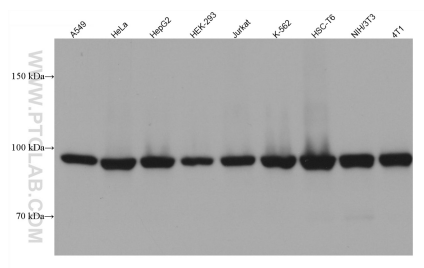
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.