

Mouse PSMD2 Monoclonal Antibody | anti-PSMD2 antibody

PSMD2 antibody

CATALOG # AAA107157	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence
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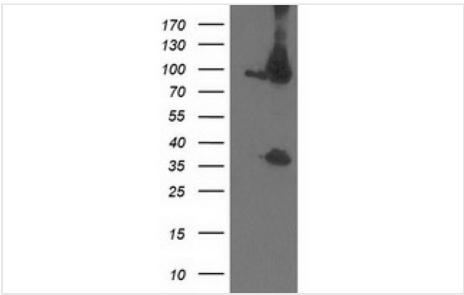
PRODUCT SYNONYMS

PSMD2; Monoclonal Antibody; PSMD2 antibody; Monoclonal PSMD2; Anti-PSMD2; Proteasome 26S subunit non ATPase 21; TRAP2; S2; MGC14274; P97; Rpn1; Tumor necrosis factor type 1 receptor-associated protein 2; 26S proteasome regulatory subunit RPN1; PSMD 2; PSMD-2; anti-PSMD2 antibody

PRODUCT SPECIFICATIONS

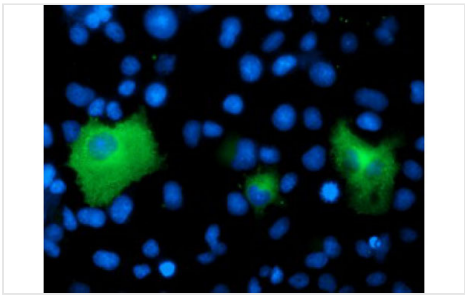
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1B4
Purity/Purification	PSMD2 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	908
Applicable Applications for anti-PSMD2 antibody	WB (Western Blot), IF (Immunofluorescence)
Biological Significance	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. 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. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides.
Cross-Reactivity	Human
Immunogen	PSMD2 antibody was raised in mouse using a full length recombinant protein of human PSMD2 (NP_002799) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PSMD2 protein (Right) or empty vector (Left) detected with PSMD2 antibody



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant PSMD2 protein using PSMD2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD2 antibody	Mouse monoclonal PSMD2 antibody
Product Categories/Family for anti-PSMD2 antibody	Protein Modification & Stress Response

NCBI AND UNIPROT INFORMATION

NCBI GI #	25777602
NCBI GeneID	5708
NCBI Accession #	NP_002799
NCBI GenBank Nucleotide #	NM_002808.3
UniProt Accession #	Q13200; Q12932; Q15321; Q53XQ4; Q96I12; B4DX07; B4DXY1; E7EW34; E9PCS3
Molecular Weight	85,606 Da
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 2 isoform 1
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2
NCBI Official Symbol	PSMD2
NCBI Official Synonym Symbols	S2; P97; RPN1; TRAP2
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 2
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 2
UniProt Gene Name	PSMD2
UniProt Synonym Gene Names	TRAP2
UniProt Entry Name	PSMD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.