

Mouse PSMD3 Monoclonal Antibody | anti-PSMD3 antibody

PSMD3 antibody

CATALOG # AAA106704	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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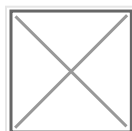
PRODUCT SYNONYMS

PSMD3; Monoclonal Antibody; PSMD3 antibody; Monoclonal PSMD3; Anti-PSMD3; P58; RPN3; S3; TSTA2; PSMD 3; PSMD-3; anti-PSMD3 antibody

PRODUCT SPECIFICATIONS

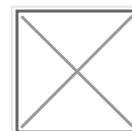
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	2C2
Purity/Purification	PSMD3 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	0.5-1 mg/ml (varies by lot)
Sequence Length	534
Applicable Applications for anti-PSMD3 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	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 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	PSMD3 antibody was raised in Mouse using full length human recombinant protein of human PSMD3 produced in HEK293T cell 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



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant PSMD3 protein using PSMD3 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PSMD3 protein (Right) or empty vector (Left) detected with PSMD3 antibody



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of HEK293T cells transfected with either recombinant PSMD3 protein (red) or empty vector (blue) stained using PSMD3 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD3 antibody	Mouse monoclonal PSMD3 antibody
Product Categories/Family for anti-PSMD3 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	48145661
NCBI GeneID	5709
UniProt Accession #	Q6IBN0 ; O43242
Molecular Weight	60,945 Da
NCBI Official Full Name	PSMD3
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, non-ATPase, 3
NCBI Official Symbol	PSMD3
NCBI Official Synonym Symbols	S3; P58; RPN3; TSTA2
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 3
UniProt Protein Name	PSMD3 protein
UniProt Gene Name	PSMD3
UniProt Entry Name	Q6IBN0_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/psmd3-antibody-clone-2c2-western-blot-immunofluorescence-flow-cytometry-elisa/106704>