Mouse PSMC3 Monoclonal Antibody | anti-PSMC3 antibody

PSMC3 antibody

CATALOG #	HOST	APPLICATIONS
AAA108227	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

PSMC3; Monoclonal Antibody; PSMC3 antibody; Monoclonal PSMC3; Anti-PSMC3; Proteasome 26S subunit ATPase 3; TBP1; Proteasome subunit P50; Tat-binding protein 1; MGC8487; Human immunodeficiency virus tat transactivator binding protein 1; PSMC 3; PSMC-3; anti-PSMC3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	8G10
Purity/Purification	PSMC3 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	404
Applicable Applications for anti-PSMC3 antibody	WB (Western Blot), IHC (Immunohistochemistry), 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, a20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composedof 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 anATP/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. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity.
Cross-Reactivity	Human
Immunogen	PSMC3 antibody was raised in mouse using a full length recombinant protein of human PSMC3 (NP_002795) 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

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant PSMC3 protein using PSMC3 antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of PSMC3 protein in paraffin embedded Human liver tissue using PSMC3 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PSMC3 protein (Right) or empty vector (Left) detected with PSMC3 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC3 antibody	Mouse monoclonal PSMC3 antibody
Product Categories/Family for anti-PSMC3 antibody	Protein Modification & Stress Response

NCBI AND UNIPROT INFORMATION

NCBI GI #	48145579
NCBI GeneID	5702
UniProt Accession #	P17980; Q3B757; Q3B865; Q53HU5; Q6GPG8; Q6IBS1; Q96HD3; B2R8V1
Molecular Weight	49,204 Da
NCBI Official Full Name	PSMC3
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 3
NCBI Official Symbol	PSMC3
NCBI Official Synonym Symbols	TBP1
NCBI Protein Information	26S protease regulatory subunit 6A
UniProt Protein Name	26S protease regulatory subunit 6A
UniProt Gene Name	**PSMC3**
UniProt Synonym Gene Names	TBP1; TBP-1
UniProt Entry Name	PRS6A_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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