

Mouse anti-Human PSMC5 Monoclonal Antibody | anti-PSMC5 antibody

Mouse monoclonal antibody Anti-Human PSMC5

CATALOG # AAA36408	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, Immunocytochemistry, Dot Blot
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PRODUCT SYNONYMS

PSMC5; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human PSMC5; Homo sapiens proteasome (prosome; macropain) 26S subunit; ATPase; 5 (PSMC5); S8; p45; SUG1; TBP10; TRIP1; p45/SUG; anti-PSMC5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2837C4a
Concentration	100 ug/ml (1.0 ml) (varies by lot)
Sequence Length	1372
Applicable Applications for anti-PSMC5 antibody	WB (Western Blot), ICC (Immunocytochemistry), DB (Dot Blot)
Preparation	This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
Sterility	Filtered through a 0.22 um membrane.

IMAGES



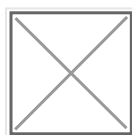
ICC (Immunocytochemistry)

Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were immunostained with anti-PSMC5 mAb. [Lot No. 2837C4a-1]



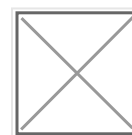
WB (Western Blot)

Detection of PSMC5 by Western blot. Samples: Whole cell lysate from human HEK293 (H, 25 ug), mouse NIH3T3 (M, 25 ug) and rat F2408 (R, 25 ug) cells. [Lot No. 2837C4a-1] Predicted molecular weight: 45 kDa



Quality Control #2

Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.



Quality Control

Western blot analysis of immunized recombinant protein, using anti-PSMC5 monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC5 antibody	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. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. In addition to participation in proteasome functions, this subunit may participate in transcriptional regulation since it has been shown to interact with the thyroid hormone receptor and retinoid X receptor-alpha. [NCBI Entrez Gene Summary]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312596879
NCBI GeneID	5705
NCBI Accession #	NP_002796.4
NCBI GenBank Nucleotide #	NM_002805
Molecular Weight	44,784 Da
NCBI Official Full Name	Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 5 (PSMC5), transcript variant 1, mRNA
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 5
NCBI Official Symbol	PSMC5
NCBI Official Synonym Symbols	S8; p45; SUG1; SUG-1; TBP10; TRIP1; p45/SUG
NCBI Protein Information	26S protease regulatory subunit 8; 26S proteasome AAA-ATPase subunit RPT6; MSUG1 protein; Tat-binding protein homolog 10; proteasome 26S ATPase subunit 5; proteasome 26S subunit ATPase 5; proteasome subunit p45; thyroid hormone receptor-interacting protein 1; thyroid receptor interactor 1
UniProt Gene Name	PSMC5
UniProt Entry Name	PRS8_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.