

Mouse PSMC6 Monoclonal Antibody | anti-PSMC6 antibody

PSMC6 (26S Protease Regulatory Subunit 10B, Proteasome 26S Subunit ATPase 6, 26S Proteasome AAA-ATPase Subunit RPT4, Proteasome Subunit p42, SUG2) (HRP)

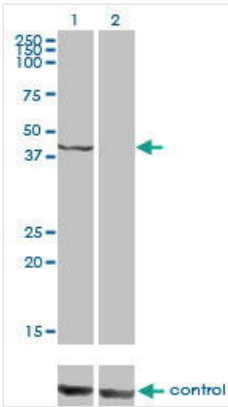
CATALOG # AAA25512	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

PSMC6; Monoclonal Antibody; PSMC6 (26S Protease Regulatory Subunit 10B; Proteasome 26S Subunit ATPase 6; 26S Proteasome AAA-ATPase Subunit RPT4; Proteasome Subunit p42; SUG2) (HRP); anti-PSMC6 antibody

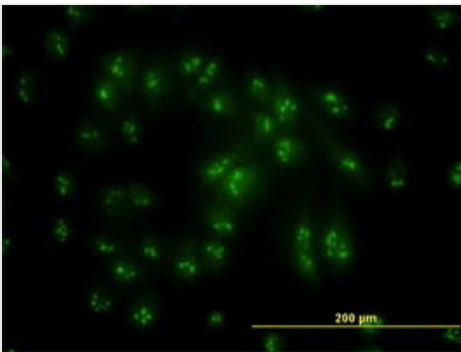
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2C4
Specificity	Recognizes human PSMC6. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-PSMC6 antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa290-390, from human PSMC6 (AAH05390) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LRPGR LDRKI HIDL PNEQARLDILKIHAGPITKHGEIDYEAI VKLS DGFNGADLRNVCTEAGMFAIRADHDFV VQEDFMKAVRKVADSKKLESKLDYKPV
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



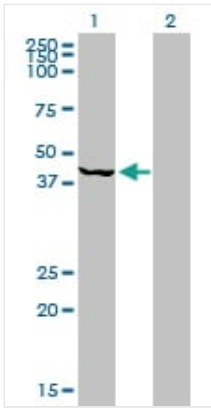
WB (Western Blot)

Western blot analysis of PSMC6 over-expressed 293 cell line, cotransfected with PSMC6 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with PSMC6 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



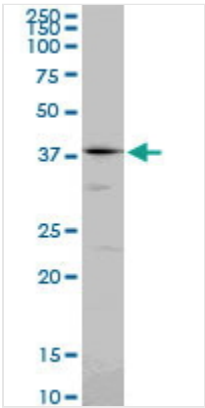
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to PSMC6 on HeLa cell. [antibody concentration 10ug/ml]



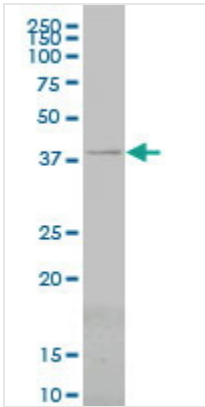
WB (Western Blot)

Western Blot analysis of PSMC6 expression in transfected 293T cell line by PSMC6 monoclonal antibody. Lane 1: PSMC6 transfected lysate (44.2kD). Lane 2: Non-transfected lysate.



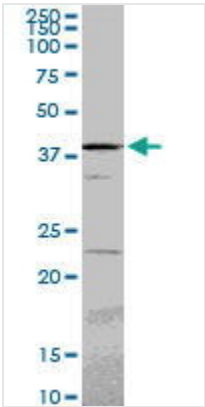
WB (Western Blot)

PSMC6 monoclonal antibody. Western Blot analysis of PSMC6 expression in NIH/3T3.



WB (Western Blot)

PSMC6 monoclonal antibody Western Blot analysis of PSMC6 expression in Hela NE.



WB (Western Blot)

PSMC6 monoclonal antibody. Western Blot analysis of PSMC6 expression in PC-12.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC6 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. Pseudogenes have been identified on chromosomes 8 and 12. [provided by RefSeq]
Product Categories/Family for anti-PSMC6 antibody	Antibodies; Proteasomes

NCBI AND UNIPROT INFORMATION

NCBI GI #	13529265
NCBI GeneID	5706
Molecular Weight	44,173 Da
NCBI Official Full Name	Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 6, mRNA
NCBI Official Synonym Full Names	proteasome 26S subunit, ATPase 6
NCBI Official Symbol	PSMC6
NCBI Official Synonym Symbols	P44; p42; SUG2; CADP44; HEL-S-73
NCBI Protein Information	26S protease regulatory subunit 10B

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/psmc6-antibody-clone-2c4-western-blot-elisa/25512>