Rabbit anti-Human PSMC6 Polyclonal Antibody | anti-PSMC6 antibody

Anti-PSMC6 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255191	**Rabbit**	**Human**	**Immunofluorescence, Immunocytochemistry, Western Blot**

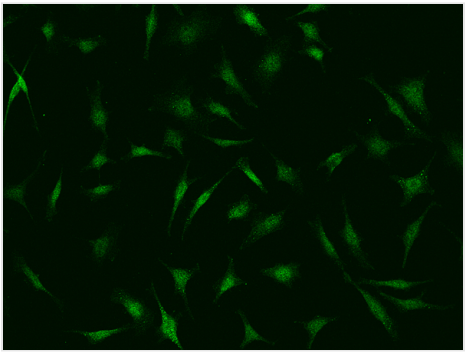
PRODUCT SYNONYMS

PSMC6; Polyclonal Antibody; Anti-PSMC6 Antibody; Rabbit Polyclonal; PSMC6 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) 26S subunit; ATPase; 6; Anti-CADP44 Antibody; Anti-HEL-S-73 Antibody; Anti-p42 Antibody; Anti-P44 Antibody; Anti-SUG2 Antibody; anti-PSMC6 antibody

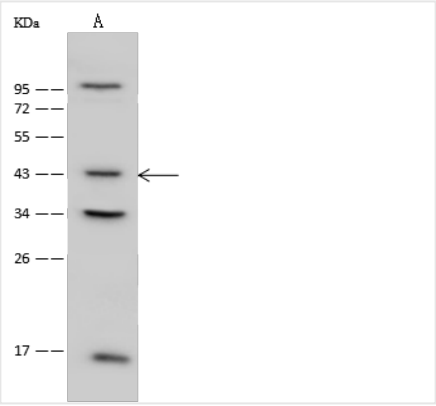
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMC6
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMC6 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human PSMC6
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human PSMC6, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of PSMC6 in Hela cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-human PSMC6 polyclonal antibody (dilution ratio 1:500) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to cytoplasm and nucleus.



WB (Western Blot)
Anti-PSMC6 rabbit polyclonal antibody at 1:500 dilutionLane A: HeLa Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:46 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC6 antibody	PSMC6 (Proteasome 26S Subunit, ATPase 6) is a Protein Coding gene. The PSMC6 gene, located on 14q22.1, is conserved in chimpanzee, Rhesus monkey, dog, cow, and mouse, etc. 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. PSMC6 is widely expressed in the esophagus, brain, and other tissues. Diseases associated with PSMC6 include Cystic Fibrosis and Pheochromocytoma. The related pathways of PSMC6 are Regulation of activated PAK-2p34 by proteasome-mediated degradation and Antigen processing-Cross presentation. 237 organisms have orthologs with the human gene PSMC6.
References	Wu P, et al. (2015) Advanced oxidation protein products decrease the expression of calcium transport channels in small intestinal epithelium via the p44/42 mapk signaling pathway. Eur J Cell Biol 94 (5): 190-203.Wang Q, et al. (2010) Interactions of sars coronavirus nucleocapsid protein with the host cell proteasome subunit p42. Virol J 7 99.Hastings R, et al. (1999) Activator complexes containing the proteasomal regulatory atpases s10b (sug2) and s6 (tbp1) in different tissues and organisms. Mol Biol Rep 26 (1-2): 35-38.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195539395
NCBI GeneID	5706
NCBI Accession #	NP_002797.3
NCBI GenBank Nucleotide #	NM_002806.3
UniProt Accession #	P62333; P49719; Q6IBU3; Q92524; B2R975
Molecular Weight	44,173 Da
NCBI Official Full Name	26S protease regulatory subunit 10B
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 6
NCBI Official Symbol	PSMC6
NCBI Official Synonym Symbols	P44; p42; SUG2; CADP44
NCBI Protein Information	26S protease regulatory subunit 10B; proteasome subunit p42; proteasome 26S subunit ATPase 6; conserved ATPase domain protein 44; 26S protease regulatory subunit S10B; 26S proteasome AAA-ATPase subunit RPT4
UniProt Protein Name	26S protease regulatory subunit 10B
UniProt Gene Name	**PSMC6**

UniProt Synonym Gene Names	SUG2
UniProt Entry Name	PRS10_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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