

Rabbit anti-Human PSMG1 Polyclonal Antibody | anti-PSMG1 antibody

Anti-PSMG1 Antibody, Rabbit Polyclonal

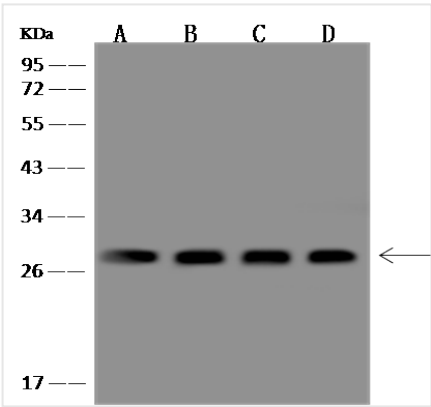
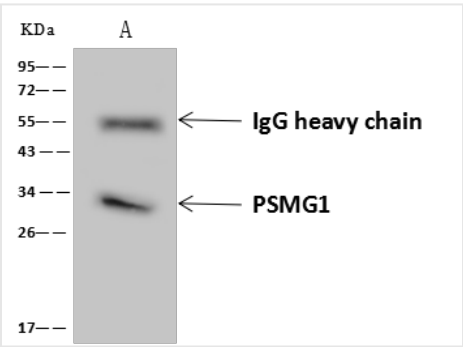
CATALOG # AAA256250	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PSMG1; Polyclonal Antibody; Anti-PSMG1 Antibody; Rabbit Polyclonal; PSMG1 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) assembly chaperone 1; Anti-C21LRP Antibody; Anti-DSCR2 Antibody; Anti-LRPC21 Antibody; Anti-PAC-1 Antibody; Anti-PAC1 Antibody; anti-PSMG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMG1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMG1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human PSMG1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PSMG1 fragment, 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.



IP (Immunoprecipitation)
PSMG1 was immunoprecipitated using: Lane A: 0.5 mg Jurkat U-251 MG Whole Cell Lysate 4 uL anti-PSMG1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PSMG1 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 26 kDa Observed band size :27 kDa

WB (Western Blot)
Anti-PSMG1 rabbit polyclonal antibody at 1:500 dilution Lane A: Jurkat Whole Cell Lysate Lane B: 293T Whole Cell Lysate Lane C: HepG2 Whole Cell Lysate Lane D: U-251 MG Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 33 kDa Observed band size: 28 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PSMG1 antibody	PSMG1 (Proteasome Assembly Chaperone 1) is a Protein Coding gene. The PSMG1 gene, located on 21q22.2, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, and frog. PSMG1 is a chaperone protein that promotes the assembly of the 20S proteasome as part of a heterodimer with PSMG2. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha-subunits into the heteroheptameric alpha ring, and prevents alpha ring dimerization. PSMG1 is widely expressed in the testis, thyroid, and other tissues. Diseases associated with PSMG1 include Down Syndrome and Thrombasthenia. 242 organisms have orthologs with the human gene PSMG1.
References	Wagner J, et al. (2013) Pseudomonas infection in children with early-onset crohn's disease: An association with a mutation close to psmg1. Inflamm Bowel Dis 19 (4): E58-59. Vidal-Taboada JM, et al. (1998) Identification and characterization of a new gene from human chromosome 21 between markers d21s343 and d21s268 encoding a leucine-rich protein. Biochem Biophys Res Commun 250 (3): 547-554. Vesa J, et al. (2005) Molecular and cellular characterization of the down syndrome critical region protein 2. Biochem Biophys Res Commun 328 (1): 235-242.

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.