

Rabbit anti-Human PSMB1 Polyclonal Antibody | anti-PSMB1 antibody

Anti-PSMB1 Antibody, Rabbit Polyclonal

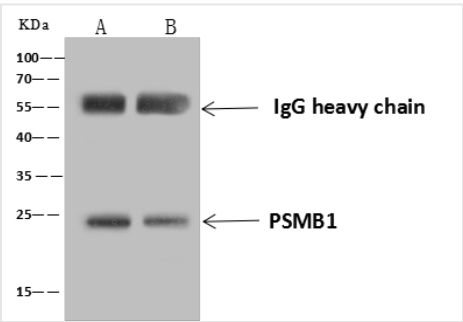
CATALOG # AAA258530	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PSMB1; Polyclonal Antibody; Anti-PSMB1 Antibody; Rabbit Polyclonal; PSMB1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-HC5 Antibody; Anti-PMSB1 Antibody; Anti-PSC5 Antibody; proteasome (prosome; macropain) subunit; beta type; 1; anti-PSMB1 antibody

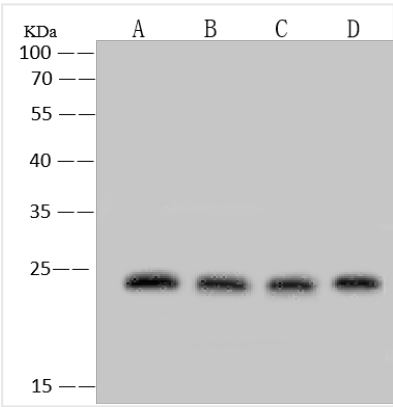
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMB1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMB1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Conjugation	Unconjugated
Immunogen	E Coli-derived Human PSMB1 fragment
Preparation	Produced in rabbits immunized with E Coli-derived Human PSMB1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-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)

PSMB1 was immunoprecipitated using: Lane A:0.5 mg K562 Whole Cell Lysate Lane B:0.5 mg HepG2 Whole Cell Lysate 4 uL anti- PSMB1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti- PSMB1 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: 26kDa Observed band size :24 kDa



WB (Western Blot)

Anti-PSMB1 rabbit polyclonal antibody at 1:500 dilution Lane A: MCF-7 Whole Cell Lysate Lane B: HepG2 Whole Cell Lysate Lane C: K562 Whole Cell Lysate Lane D: U-251MG 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:26 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PSMB1 antibody	PSMB1 (Proteasome 20S Subunit Beta 1) is a Protein Coding gene. The PSMB1 gene, located on 6q27, is conserved in chimpanzee, Rhesus monkey, dog, cow, and mouse, etc. This gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. This gene is tightly linked to the TBP (TATA-binding protein) gene in human and mouse and is transcribed in the opposite orientation in both species. PSMB1 is widely expressed in the placenta, fat, and other tissues. Diseases associated with PSMB1 include Type 1 Diabetes Mellitus 8 and Hypocalciuric Hypercalcemia, Familial, Type I. The related pathways of PSMB1 are Regulation of activated PAK-2p34 by proteasome-mediated degradation and Antigen processing-Cross presentation.
References	Yamauchi J, et al. (2013) Role of nuclear localization of psmb1 in transcriptional activation. Biosci Biotechnol Biochem 77 (8): 1785-1787.Wu F, et al. (2019) Psmb1 negatively regulates the innate antiviral immunity by facilitating degradation of ikk-epsilon. Viruses 11 (2): 99.Varga G, et al. (2017) Proteasome subunit beta type 1 p11a polymorphism is a new prognostic marker in multiple myeloma. Clin Lymphoma Myeloma Leuk 17 (11): 734-742.

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