

Rabbit anti-Human PSMC5 Polyclonal Antibody | anti-PSMC5 antibody

Anti-PSMC5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256007	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PSMC5; Polyclonal Antibody; Anti-PSMC5 Antibody; Rabbit Polyclonal; PSMC5 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) 26S subunit; ATPase; 5; Anti-p45 Antibody; Anti-p45/SUG Antibody; Anti-S8 Antibody; Anti-SUG-1 Antibody; Anti-SUG1 Antibody; Anti-TBP10 Antibody; Anti-TRIP1 Antibody; anti-PSMC5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMC5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMC5 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human PSMC5 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PSMC5 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.

IMAGES



IP (Immunoprecipitation)

PSMC5 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 4 uL anti-PSMC5 rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-PSMC5 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 46 kDa. Observed band size: 46 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human PSMC5 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PSMC5 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: HepG2 Whole Cell Lysate Lane C: 293T Whole Cell Lysate Lane D: A431 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: 46 kDa Observed band size: 46 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC5 antibody	PSMC5 (Proteasome 26S Subunit, ATPase 5) is a Protein Coding gene. The PSMC5 gene, located on 17q23.3, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat, etc. 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. Diseases associated with PSMC5 include Mulibrey Nanism and Cystic Fibrosis. PSMC5 facilitates the damaging effects of radiation in radiation-responsive H460 cancer cells and therefore may serve as a prognostic indicator for radiotherapy and molecular targeted therapy in lung cancer patients.
References	Yim JH, et al. (2016) Radiosensitizing effect of psmc5, a 19s proteasome atpase, in h460 lung cancer cells. <i>Biochem Biophys Res Commun</i> 469 (1): 94-100. Ustun S, et al. (2015) The xanthomonas campestris type iii effector xopj proteolytically degrades proteasome subunit rpt6. <i>Plant Physiol</i> 168 (1): 107-119. Jang ER, et al. (2015) Spatial control of shoc2-scaffold-mediated erk1/2 signaling requires remodeling activity of the atpase psmc5. <i>J Cell Sci</i> 128 (23): 4428-4441.

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/polyclonal/psmc5-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256007>