

Rabbit anti-Human PSMC4 Polyclonal Antibody | anti-PSMC4 antibody

Anti-PSMC4 Antibody, Rabbit Polyclonal

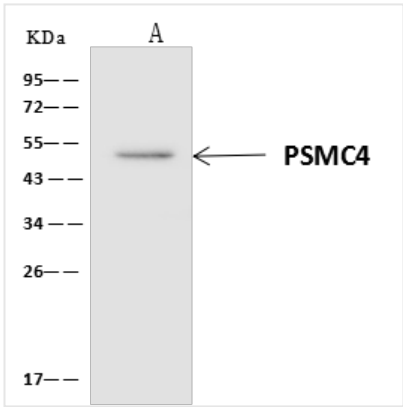
CATALOG # AAA256002	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PSMC4; Polyclonal Antibody; Anti-PSMC4 Antibody; Rabbit Polyclonal; PSMC4 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) 26S subunit; ATPase; 4; Anti-MIP224 Antibody; Anti-RPT3 Antibody; Anti-S6 Antibody; Anti-TBP-7 Antibody; Anti-TBP7 Antibody; anti-PSMC4 antibody

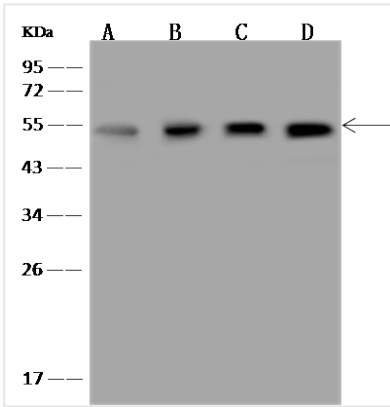
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMC4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMC4 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human PSMC4 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PSMC4 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)

PSMC4 was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate, 4 uL anti-PSMC4 rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-PSMC4 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: 47 kDa. Observed band size: 50 kDa.



WB (Western Blot)

Anti-PSMC4 rabbit polyclonal antibody at 1:500 dilution. Lane A: HepG2 Whole Cell Lysate. Lane B: U251 Whole Cell Lysate. Lane C: Jurkat Whole Cell Lysate. Lane D: 293T 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: 47 kDa. Observed band size: 50 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC4 antibody	PSMC4 (Proteasome 26S Subunit, ATPase 4) is a Protein Coding gene. The PSMC4 gene, located on 19q13.11-q13.13, is conserved in chimpanzee, Rhesus monkey, dog, cow, and mouse, etc. This gene encodes a member of the triple-A family of ATPases that is a component of the 19S regulatory subunit and plays a role in 26S proteasome assembly. The encoded protein interacts with gankyrin, a liver oncoprotein, and may also play a role in Parkinson's disease through interactions with synphilin-1. PSMC3 and PSMC4, components of the 19S complex of the 26S proteasome, show a significant degree of amino acid similarity, especially in the conserved ATPase domain (CAD). Diseases associated with PSMC4 include Episodic Ataxia, Type 2, and Cystic Fibrosis.
References	Zhu Y, et al. (2018) Structural mechanism for nucleotide-driven remodeling of the aaa-atpase unfoldase in the activated human 26s proteasome. Nat Commun 9 (1): 1360. Sakao Y, et al. (2000) Mouse proteasomal atpases psmc3 and psmc4: Genomic organization and gene targeting. Genomics 67 (1): 1-7. Mojic M, et al. (2012) Saquinavir-no-targeted s6 protein mediates sensitivity of androgen-dependent prostate cancer cells to trail. Cell Cycle 11 (6): 1174-1182.

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.