

Rabbit anti-Human PSMD7 Polyclonal Antibody | anti-PSMD7 antibody

Anti-PSMD7 Antibody, Rabbit Polyclonal

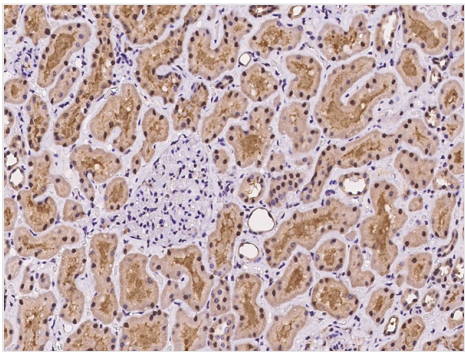
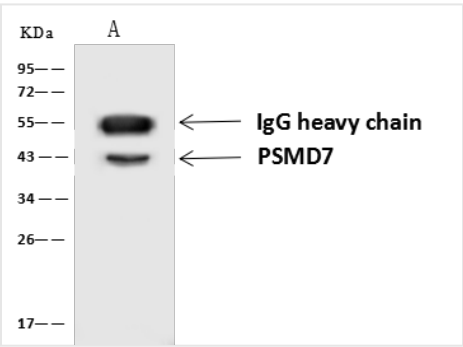
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256010	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PSMD7; Polyclonal Antibody; Anti-PSMD7 Antibody; Rabbit Polyclonal; PSMD7 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome 26S subunit; non-ATPase 7; Anti-MOV34 Antibody; Anti-P40 Antibody; Anti-Rpn8 Antibody; Anti-S12 Antibody; anti-PSMD7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMD7
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMD7 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human PSMD7 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PSMD7 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.

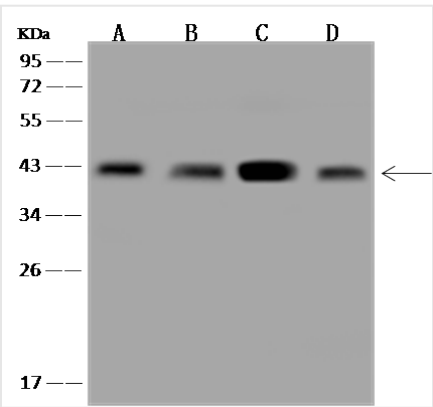


IP (Immunoprecipitation)

PSMD7 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate 4 uL anti-PSMD7 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PSMD7 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: 37 kDa. Observed band size: 43 kDa.

IHC (Immunohistochemistry)

Immunochemical staining of human PSMD7 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PSMD7 rabbit polyclonal antibody at 1:500 dilution. Lane A: Jurkat Whole Cell Lysate. Lane B: MCF7 Whole Cell Lysate. Lane C: A549 Whole Cell Lysate. Lane D: K562 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: 37 kDa. Observed band size: 41 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD7 antibody	PSMD7 (Proteasome 26S Subunit, Non-ATPase 7) is a Protein Coding gene. The PSMD7 gene, located on 16q23.1, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat, etc. This gene encodes a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 17. PSMD7, a 19S proteasome subunit, is overexpressed in most carcinoma cells. It forms a dimer with PSMD14 that functions in the removal of the attached ubiquitin chain. PSMD7 is widely expressed in bone marrow, placenta, and other tissues. Diseases associated with PSMD7 include Huntington's Disease and Tracheitis. PSMD7 and the mTOR/p70S6K pathway may be a promising candidate for developing therapies for esophageal squamous cell carcinoma (ESCC).
References	Shi K, et al. (2018) Psmd7 downregulation induces apoptosis and suppresses tumorigenesis of esophageal squamous cell carcinoma via the mtor/p70s6k pathway. FEBS Open Bio 8 (4): 533-543. Niu Z, et al. (2011) A polymorphism rs17336700 in the psmd7 gene is associated with ankylosing spondylitis in chinese subjects. Ann Rheum Dis 70 (4): 706-707. Alves BS, et al. (2006) Characterization of the human ortholog of mov34 reveals eight n-terminal residues important for mpn domain stability. Biochem Biophys Res Commun 347 (3): 608-615.

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.