

Rabbit anti-Human PSMA4 Polyclonal Antibody | anti-PSMA4 antibody

Anti-PSMA4 Antibody, Rabbit Polyclonal

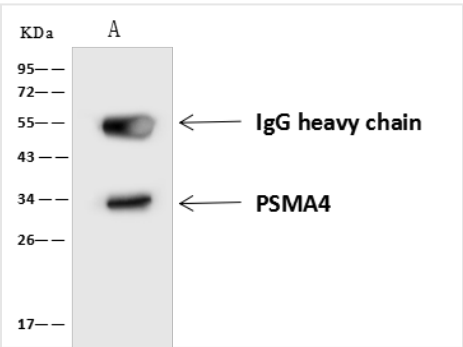
CATALOG # AAA256005	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

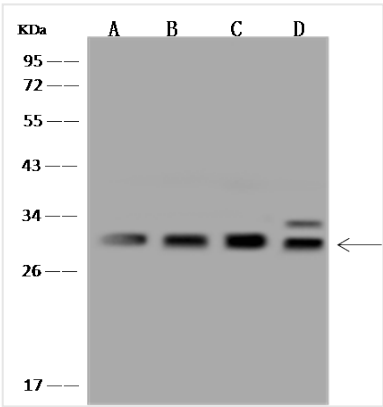
PSMA4; Polyclonal Antibody; Anti-PSMA4 Antibody; Rabbit Polyclonal; PSMA4 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) subunit; alpha type; 4; Anti-HC9 Antibody; Anti-HsT17706 Antibody; Anti-PSC9 Antibody; anti-PSMA4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMA4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMA4 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human PSMA4 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PSMA4 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)
PSMA4 was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate, 4 uL anti-PSMA4 rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-PSMA4 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: 29 kDa. Observed band size: 34 kDa.



WB (Western Blot)
Anti-PSMA4 rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate, Lane B: Jurkat Whole Cell Lysate, Lane C: K562 Whole Cell Lysate, Lane D: NIH3T3 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: 29 kDa. Observed band size: 29 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA4 antibody	PSMA4 (Proteasome 20S Subunit Alpha 4) is a Protein Coding gene. The PSMA4 gene, located on 15q25.1, is conserved in chimpanzee, Rhesus monkey, cow, mouse, and rat, etc. This gene encodes a core alpha subunit of the 20S proteasome, which is a highly ordered ring-shaped structure composed of four rings of 28 non-identical subunits. PSMA4 is widely expressed in the appendix, lymph node, and other tissues. Diseases associated with PSMA4 include Cystic Fibrosis and Angelman Syndrome. Genome-wide association studies have linked the chromosome 15q25.1 locus to lung cancer susceptibility and implicated proteasome subunit alpha type-4 (PSMA4) as a candidate gene. The related pathways of PSMA4 are Regulation of activated PAK-2p34 by proteasome-mediated degradation and Antigen processing-Cross presentation.
References	Wang T, et al. (2015) Association of psma4 polymorphisms with lung cancer susceptibility and response to cisplatin-based chemotherapy in a chinese han population. Clin Transl Oncol 17 (7): 564-569. Takabe W, et al. (2000) Gene expression induced by bo-653, probucol and bhq in human endothelial cells. J Atheroscler Thromb 7 (4): 223-230. Shabek N, et al. (2009) Ubiquitin degradation with its substrate, or as a monomer in a ubiquitination-independent mode, provides clues to proteasome regulation. Proc Natl Acad Sci U S A 106 (29): 11907-11912.

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.