

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

Anti-PSMA4 Antibody, Rabbit Polyclonal

CATALOG # AAA255189	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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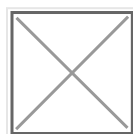
PRODUCT SYNONYMS

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

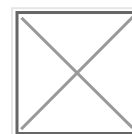
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMA4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMA4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human PSMA4
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human PSMA4, 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



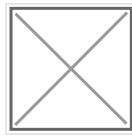
IHC (Immunohistochemistry)

Immunochemical staining of human PSMA4 in human liver with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PSMA4 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



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 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

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	130861
NCBI GeneID	5685
UniProt Accession #	P25789; Q53XP2; Q567Q5; Q8TBD1; D3DW86
Molecular Weight	261
NCBI Official Full Name	Proteasome subunit alpha type-4
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, alpha type, 4
NCBI Official Symbol	PSMA4
NCBI Official Synonym Symbols	HC9; PSC9; HsT17706
NCBI Protein Information	proteasome subunit alpha type-4; macropain subunit C9; proteasome subunit L; proteasome subunit HC9; proteasome component C9; multicatalytic endopeptidase complex subunit C9
UniProt Protein Name	Proteasome subunit alpha type-4
UniProt Gene Name	PSMA4
UniProt Synonym Gene Names	HC9; PSC9
UniProt Entry Name	PSA4_HUMAN

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.