

Rabbit anti-Human PSMA2 Polyclonal Antibody | anti-PSMA2 antibody

Anti-PSMA2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255188	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PSMA2; Polyclonal Antibody; Anti-PSMA2 Antibody; Rabbit Polyclonal; PSMA2 Antibody; Rabbit PAb; Antigen Affinity Purified; proteasome (prosome; macropain) subunit; alpha type; 2; Anti-HC3 Antibody; Anti-MU Antibody; Anti-PMSA2 Antibody; Anti-PSC2 Antibody; anti-PSMA2 antibody

PRODUCT SPECIFICATIONS

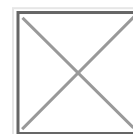
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PSMA2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PSMA2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human PSMA2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human PSMA2, 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)

Galectin3 was immunoprecipitated using: Lane A: 0.5 mg A431 Whole Cell Lysate 4 uL anti-Galectin3 rabbit monoclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-Galectin3 rabbit monoclonal 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: 26 kDa. Observed band size: 30 kDa.



IHC (Immunohistochemistry)

Immunohistochemical staining of human PSMA2 in human liver with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PSMA2 rabbit polyclonal antibody at 1:500 dilution Lane A: H1299 Whole Cell Lysate Lane B: HepG2 Whole Cell Lysate Lane C: 293T Whole Cell Lysate Lane D: Jurkat 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: 25 kDa Observed band size: 25 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA2 antibody	PSMA2 (Proteasome 20S Subunit Alpha 2) is a Protein Coding gene. The PSMA2 gene, located on 7p14.1, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat, etc. The proteasome is a multi-catalytic proteinase complex with a highly ordered ring-shaped 20S core structure. This PSMA2 gene encodes a member of the peptidase T1A family, which is a 20S core alpha subunit. PSMA2 is widely expressed in the liver, fat, and other tissues. Diseases associated with PSMA2 include Cystic Fibrosis. The related pathways of PSMA2 are Regulation of activated PAK-2p34 by proteasome-mediated degradation and Antigen processing-Cross presentation. 233 organisms have orthologs with the human gene PSMA2.
References	Knuehl C, et al. (1996) Functional analysis of eukaryotic 20s proteasome nuclear localization signal. Exp Cell Res 225 (1): 67-74. Chen YX, et al. (2009) [expression of genes psma6 and slc25a4 in patients with acute monocytic leukemia]. Zhongguo Shi Yan Xue Ye Xue Za Zhi 17 (5): 1168-1173. Alvarez-Castelao B, et al. (2005) Mechanism of direct degradation of ikappabalpha by 20s proteasome. FEBS Lett 579 (21): 4797-4802.

NCBI AND UNIPROT INFORMATION

NCBI GI #	130850
NCBI GeneID	5683
UniProt Accession #	P25787; Q6ICS6; Q9BU45
Molecular Weight	234
NCBI Official Full Name	Proteasome subunit alpha type-2
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, alpha type, 2
NCBI Official Symbol	PSMA2
NCBI Official Synonym Symbols	MU; HC3; PSC2; PMSA2
NCBI Protein Information	proteasome subunit alpha type-2; macropain subunit C3; proteasome subunit HC3; proteasome component C3; multicatalytic endopeptidase complex subunit C3
UniProt Protein Name	Proteasome subunit alpha type-2
UniProt Gene Name	PSMA2
UniProt Synonym Gene Names	HC3; PSC3
UniProt Entry Name	PSA2_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.