

Rabbit PSMA1 Polyclonal Antibody | anti-PSMA1 antibody

Anti-PSMA1 Antibody

CATALOG # AAA46844	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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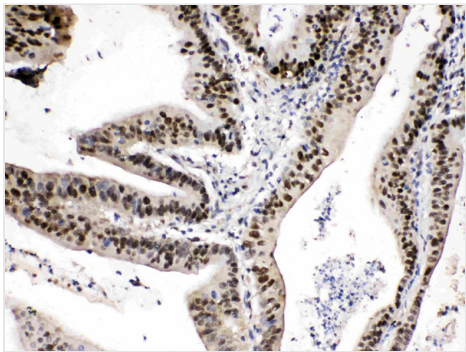
PRODUCT SYNONYMS

PSMA1; Polyclonal Antibody; Anti-PSMA1 Antibody; HC 2; HC2; PROS30; PROS-30; PROS 30; PSC 2; PSC2; PSMA 1; P25786; Proteasome subunit alpha type-1; proteasome subunit alpha 1; anti-PSMA1 antibody

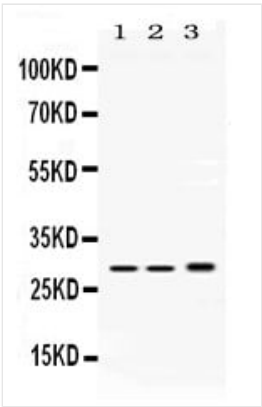
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	263
Applicable Applications for anti-PSMA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PSMA1 (159-204aa MSIGARSQSARTYLERHMSEFMECNLNELVKHGLRALRETLP AEQD), different from the related mouse sequence by one amino acid, and from the related rat sequence by two amino acids.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohiostchemistry)
PSMA1 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- PSMA1 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of PSMA1 expression in rat testis extract (lane 1), mouse spleen extract (lane 2) and HEPG2 whole cell lysates (lane 3). PSMA1 at 29KD was detected using rabbit anti- PSMA1 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA1 antibody	Rabbit IgG polyclonal antibody for Proteasome subunit alpha type-1(PSMA1) detection. Background: Proteasome subunit alpha type-1 is a protein that in humans is encoded by the PSMA1 gene. The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the peptidase T1A family, that is a 20S core alpha subunit. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
References	1. Groll M, Ditzel L, Löwe J, Stock D, Bochtler M, Bartunik HD, Huber R (Apr 1997). "Structure of 20S proteasome from yeast at 2.4 Å resolution". Nature 386 (6624): 463-71. 2. Tomko RJ, Hochstrasser M (2013). "Molecular architecture and assembly of the eukaryotic proteasome".Annual Review of Biochemistry 82: 415-45.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506179
NCBI GeneID	5682
NCBI Accession #	NP_002777.1
NCBI GenBank Nucleotide #	NM_002786.3
UniProt Accession #	P25786; Q53YE8; Q9BRV9; A8K400
Molecular Weight	30,239 Da
NCBI Official Full Name	proteasome subunit alpha type-1 isoform 2
NCBI Official Synonym Full Names	proteasome subunit alpha 1
NCBI Official Symbol	PSMA1
NCBI Official Synonym Symbols	NU; HC2; PROS30; HEL-S-275
NCBI Protein Information	proteasome subunit alpha type-1
UniProt Protein Name	Proteasome subunit alpha type-1
UniProt Gene Name	PSMA1

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/psma1-antibody-immunohistochemistry-western-blot-elisa/46844>