

Rabbit PSMA1 Polyclonal Antibody | anti-PSMA1 antibody

PSMA1 Antibody

CATALOG # AAA166314	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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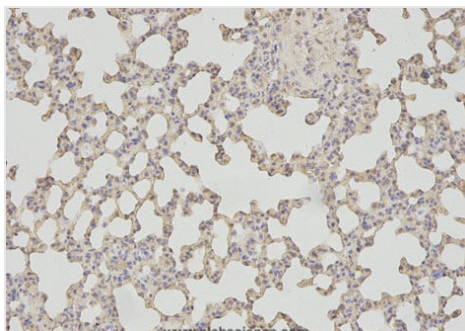
PRODUCT SYNONYMS

PSMA1; Polyclonal Antibody; PSMA1 Antibody; NU; HC2; PROS30; anti-PSMA1 antibody

PRODUCT SPECIFICATIONS

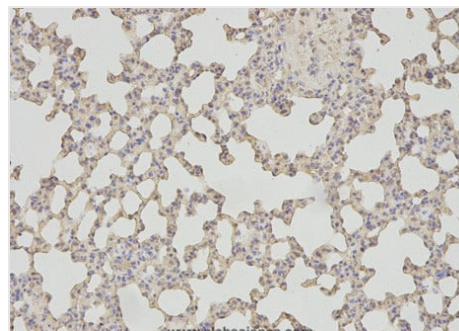
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	130
Applicable Applications for anti-PSMA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human PSMA1
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-34126 / sc-67046
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



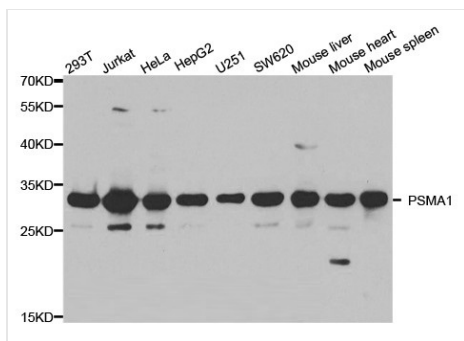
IHC (Immunohistochemistry)

Immunohistochemical of paraffin-embedded rat lung using PSMA1 antibody at dilution of 1:100 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemical of paraffin-embedded human stomach cancer using PSMA1 antibody at dilution of 1:100 (400x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSMA1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA1 antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316716
NCBI GeneID	5682
NCBI Accession #	NP_001137409.1
NCBI GenBank Nucleotide #	NM_001143937.1
Molecular Weight	30,239 Da
NCBI Official Full Name	proteasome subunit alpha type-1 isoform 3
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, alpha type, 1
NCBI Official Symbol	PSMA1
NCBI Official Synonym Symbols	NU; HC2; PROS30; HEL-S-275
NCBI Protein Information	proteasome subunit alpha type-1; 30 kDa prosomal protein; PROS-30; epididymis secretory protein Li 275; macropain subunit C2; macropain subunit nu; multicatalytic endopeptidase complex subunit C2; proteasome component C2; proteasome nu chain; proteasome subunit nu; proteasome subunit, alpha-type, 1; protein P30-33K
UniProt Protein Name	Proteasome subunit alpha type-1
UniProt Gene Name	PSMA1
UniProt Synonym Gene Names	HC2; NU; PROS30; PSC2; PROS-30
UniProt Entry Name	PSA1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/psma1-antibody-immunohistochemistry-western-blot-elisa/166314>