

Rabbit anti-Human, Mouse PSMA1 Polyclonal Antibody | anti-PSMA1 antibody

PSMA1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37483	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

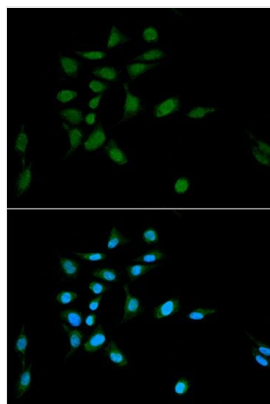
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

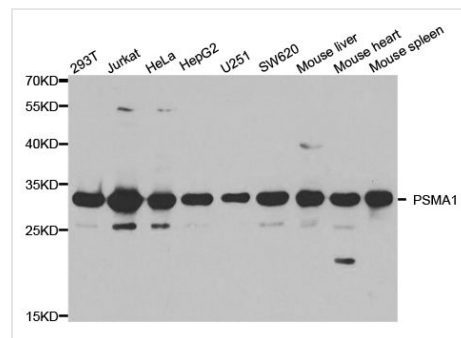
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	263
Applicable Applications for anti-PSMA1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PSMA1
Calculated Molecular Weight	29kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using PSMA1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSMA1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

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.
Product Categories/Family for anti-PSMA1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	130848
NCBI GeneID	5682
UniProt Accession #	P25786; Q53YE8; Q9BRV9; A8K400
Molecular Weight	263
NCBI Official Full Name	Proteasome subunit alpha type-1
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; PROS-30; protein P30-33K; proteasome nu chain; macropain subunit C2; macropain subunit nu; proteasome subunit nu; 30 kDa prosomal protein; proteasome component C2; proteasome subunit, alpha-type, 1; epididymis secretory protein Li 275; multicatalytic endopeptidase complex subunit C2
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-immunofluorescence-immunohistochemistry-western-blot-elisa/37483>