

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

Rabbit anti-PSMA1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212312	Rabbit	Human	Immunohistochemistry, Western Blot

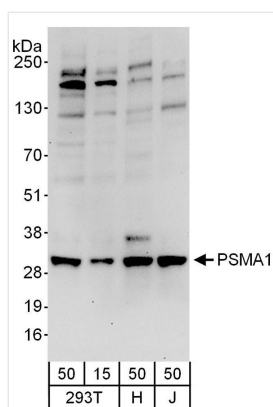
PRODUCT SYNONYMS

PSMA1; Polyclonal Antibody; Rabbit anti-PSMA1 Antibody; Affinity Purified; PROS-30; proteasome subunit; alpha-type; 1; proteasome subunit nu; proteasome subunit alpha type-1; proteasome nu chain; testicular tissue protein Li 150; proteasome (prosome; macropain) subunit; alpha type; protein P30-33K; NU; multicatalytic endopeptidase complex subunit C2; macropain subunit nu; macropain subunit C2; HEL-S-275; HC2; epididymis secretory protein Li 275; 30 kDa prosomal protein; proteasome component C2; PROS30; Proteasome subunit alpha type-1; proteasome subunit alpha 1; anti-PSMA1 antibody

PRODUCT SPECIFICATIONS

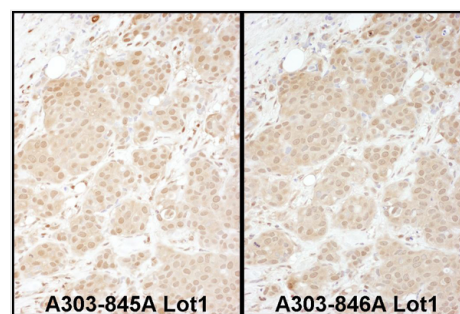
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PSMA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Predicted Reactivity	Mouse, Rat, Chicken, Bovine, Orangutan
Immunogen	Between 175 and 225
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PSMA1 by western blot. Samples: Whole cell lysate from HEK293T (15 and 50 ug), HeLa (H; 50 ug), and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-PSMA1 antibody AAA212312 (lot AAA212312-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of human PSMA1 by immunohistochemistry. Samples: FFPE serial sections of human breast carcinoma. Antibody: Affinity purified rabbit anti-PSMA1 (Cat. No. AAA212312 Lot1, left image and Cat. No. Lot1, right image) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB. Counterstain: hematoxylin (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA1 antibody	PSMA1 [proteasome (prosome, macropain) subunit, alpha type, 1] is a subunit of the proteasome, 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. PSMA1 is a member of the peptidase T1A family that is a 20S core alpha subunit [taken from NCBI Entrez Gene (Gene ID: 5682)].
Product Categories/Family for anti-PSMA1 antibody	Primary Antibodies

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 (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 s
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/psma1-antibody-immunohistochemistry-western-blot-elisa/212312>