

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

Rabbit anti-PSMA2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212294	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

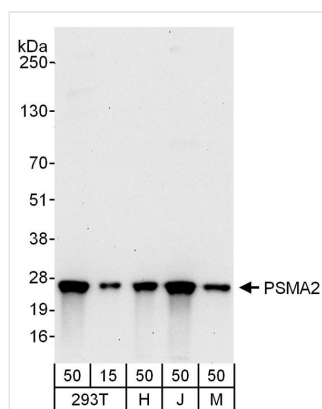
PRODUCT SYNONYMS

PSMA2; Polyclonal Antibody; Rabbit anti-PSMA2 Antibody; Affinity Purified; proteasome component C3; PSC2; proteasome subunit alpha type-2; proteasome (prosome; macropain) subunit; alpha type; 2; multicatalytic endopeptidase complex subunit C3; MU; macropain subunit C3; HC3; proteasome subunit HC3; PMSA2; Proteasome subunit alpha type-2; proteasome subunit alpha 2; anti-PSMA2 antibody

PRODUCT SPECIFICATIONS

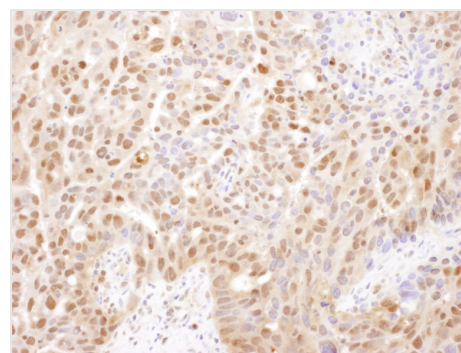
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PSMA2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Predicted Reactivity	Bovine
Immunogen	Between 184 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



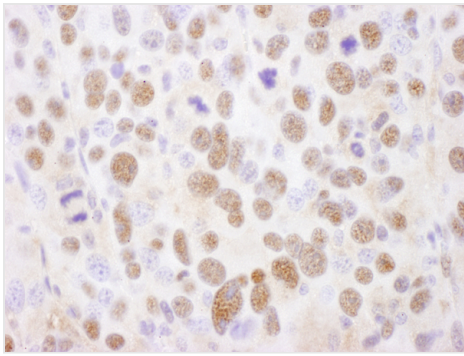
WB (Western Blot)

Detection of human and mouse PSMA2 by western blot. Samples: Whole cell lysate from HEK293T (15 and 50 ug), HeLa (H; 50 ug), Jurkat (J; 50 ug) and mouse NIH 3T3 (M; 50 ug) cells. Antibodies: Affinity purified rabbit anti-PSMA2 antibody AAA212294 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of human PSMA2 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-PSMA2 (Cat. No. AAA212294 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



IHC (Immunohistochemistry)

Detection of mouse PSMA2 by immunohistochemistry. Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti-PSMA2 (Cat. No. AAA212294 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA2 antibody	Proteasome (prosome, macropain) subunit, alpha type, 2 (PSMA2) is a component 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. PSMA2 is a member of the peptidase T1A family, that is a 20S core alpha subunit [taken from NCBI Entrez Gene (Gene ID: 5683)].
Product Categories/Family for anti-PSMA2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506181
NCBI GeneID	5683
NCBI Accession #	NP_002778.1
NCBI GenBank Nucleotide #	NM_002787.4
UniProt Accession #	P25787; Q6ICS6; Q9BU45
Molecular Weight	25,899 Da
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; multicatalytic endopeptidase complex subunit C3; proteasome component C3; proteasome subunit HC3
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.

