

Rabbit PSMA1 Polyclonal Antibody | anti-PSMA1 antibody

PSMA1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198653	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

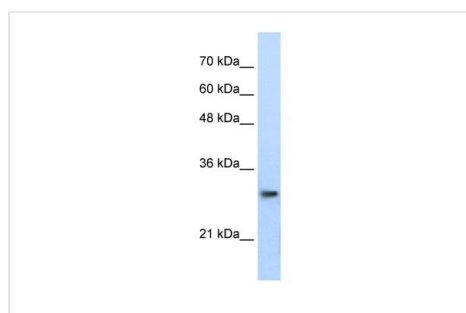
PRODUCT SYNONYMS

PSMA1; Polyclonal Antibody; PSMA1 antibody - C-terminal region; anti-PSMA1 antibody

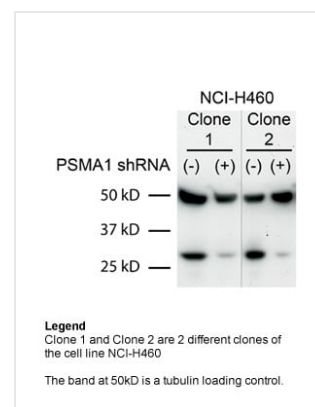
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: TY LERHMSEFME CNLNLVKHG LRALRETLP EQDLTTKNVS IGIVGKDL
Sequence Length	263
Applicable Applications for anti-PSMA1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human PSMA1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

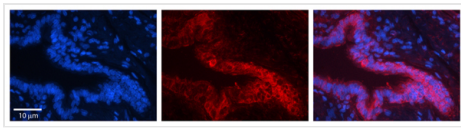
IMAGES


WB (Western Blot)

WB Suggested Anti-PSMA1 Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate


WB (Western Blot)

Sample Type: Human non-small cell lung cancer (NCI-460) Primary Dilution: 1:2000 Secondary Dilution: 1:3000 50kDa band is a tubulin loading control band PSMA1 is strongly supported by BioGPS gene expression data to be expressed in Human NCI460 cells



IHC (Immunohistochemistry)
 Rabbit Anti-PSMA1 AntibodyFormalin Fixed Paraffin Embedded Tissue: Human Bronchial Epithelial TissueObserved Staining: CytoplasmicPrimary Antibody Concentration: 1:100Secondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20XExposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA1 antibody	This is a rabbit polyclonal antibody against PSMA1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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. PSMA1 is a member of the peptidase T1A family which is a 20S core alpha subunit.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. Two alternative transcripts encoding different isoforms have been identified.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. Two alternative transcripts encoding different isoforms have been identified.
Product Categories/Family for anti-PSMA1 antibody	Polyclonal; RNA Binding Proteins ; Drugs and Drug Metabolism ; E3 & Ubiquitin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506179
NCBI GeneID	5682
NCBI Accession #	NP_002777
NCBI GenBank Nucleotide #	NM_002786
UniProt Accession #	P25786
Molecular Weight	29kDa
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

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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