Rabbit PSMA2 Polyclonal Antibody | anti-PSMA2 antibody

PSMA2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23568	**Rabbit**	**Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish**	**Western Blot**

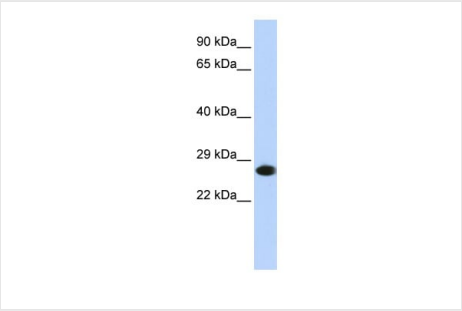
PRODUCT SYNONYMS

PSMA2; Polyclonal Antibody; PSMA2 antibody - N-terminal region; anti-PSMA2 antibody

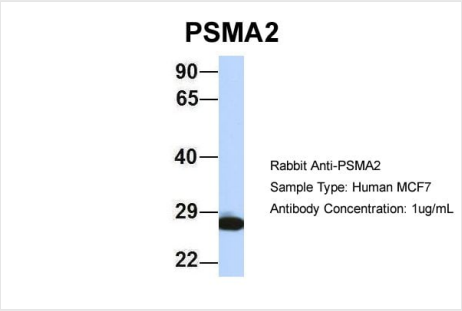
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, 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	Syntheticp eptideloca tedwithint hefollowin gregion:VG IKAANGVVLA TEKKQKSILY DERSVHKVEP ITKHIGLVYS GMGPDYRV
Sequence Length	234
Applicable Applications for anti-PSMA2 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PSMA2
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.

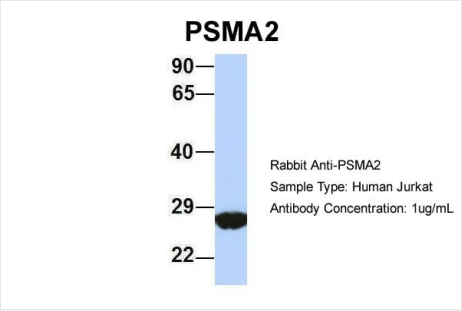
IMAGES



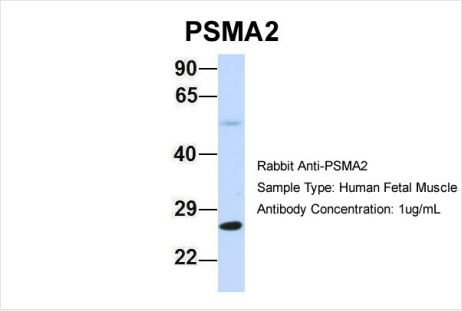
WB (Western Blot)
WB Suggested Anti-PSMA2 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:312500Positive Control: HepG2 cell lysate



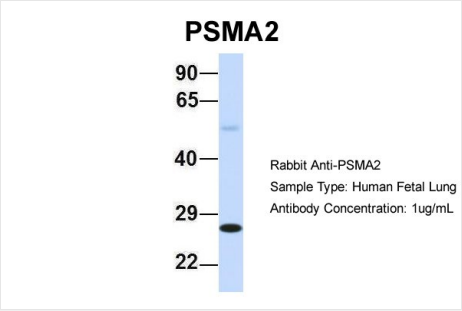
WB (Western Blot)
Host: RabbitTarget Name: PSMA2Sample Type: MCF7Antibody Dilution: 1.0ug/mlThere is BioGPS gene expression data showing that PSMA2 is expressed in MCF7



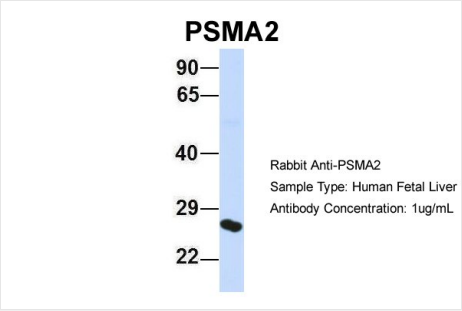
WB (Western Blot)
Host: RabbitTarget Name: PSMA2Sample Type: JurkatAntibody Dilution: 1.0ug/mlThere is BioGPS gene expression data showing that PSMA2 is expressed in Jurkat



WB (Western Blot)
Host: RabbitTarget Name: PSMA2Sample Type: Human Fetal MuscleAntibody Dilution: 1.0ug/ml



WB (Western Blot)
Host: RabbitTarget Name: PSMA2Sample Type: Human Fetal LungAntibody Dilution: 1.0ug/ml



WB (Western Blot)
Host: RabbitTarget Name: PSMA2Sample Type: Human Fetal LiverAntibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA2 antibody	This is a rabbit polyclonal antibody against PSMA2. 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. PSMA2 is a member of the peptidase T1A family, that 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. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-PSMA2 antibody	Polyclonal; Drugs and Drug Metabolism; Various; E3 & Ubiquitin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506181
NCBI GeneID	5683
NCBI Accession #	NP_002778
NCBI GenBank Nucleotide #	NM_002787

UniProt Accession #	P25787
Molecular Weight	26kDa
NCBI Official Full Name	proteasome subunit alpha type-2
NCBI Official Synonym Full Names	proteasome subunit alpha 2
NCBI Official Symbol	PSMA2
NCBI Official Synonym Symbols	MU; HC3; PSC2; PMSA2
NCBI Protein Information	proteasome subunit alpha type-2
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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/psma2-antibody-western-blot-elisa/23568