

Rabbit PSMA3 Polyclonal Antibody | anti-PSMA3 antibody

PSMA3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326150	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PSMA3; Polyclonal Antibody; PSMA3 Antibody; HC8; Macropain subunit C8; MGC12306; MGC32631; Multicatalytic endopeptidase complex subunit C8; Proteasome (prosome macropain) subunit alpha type 3; Proteasome alpha 3 subunit; Proteasome component C8; Proteasome subunit alpha type 3; Proteasome subunit alpha type-3; Proteasome subunit C8; PSA3_HUMAN; PSC8; psmA3; anti-PSMA3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PSMA3 antibody detects endogenous levels of total PSMA3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	255
Applicable Applications for anti-PSMA3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PSMA3, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of A549 whole cell lysates, using PSMA3 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA326150 staining NIH-3T3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA326150 at 1/100 staining Human brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA3 antibody	Description: The 20S proteasome is the major proteolytic enzyme complex involved in intracellular protein degradation. It consists of four stacked rings, each with seven distinct subunits. The two outer layers are identical rings composed of alpha subunits (called PSMA3s), and the two inner layers are identical rings composed of beta subunits. While the catalytic sites are located on the beta rings (1-3), the alpha subunits are important for assembly and as binding sites for regulatory proteins (4). Seven different alpha and ten different beta proteasome genes have been identified in mammals (5). PA700, PA28, and PA200 are three major protein complexes that function as activators of the 20S proteasome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506183
NCBI GeneID	5684
NCBI Accession #	NP_002779.1
NCBI GenBank Nucleotide #	NM_002788.3
UniProt Accession #	P25788; Q86U83; Q8N1D8; Q9BS70; B2RCK6
Molecular Weight	29 kDa
NCBI Official Full Name	proteasome subunit alpha type-3 isoform 1
NCBI Official Synonym Full Names	proteasome subunit alpha 3
NCBI Official Symbol	PSMA3
NCBI Official Synonym Symbols	HC8; PSC3
NCBI Protein Information	proteasome subunit alpha type-3
UniProt Protein Name	Proteasome subunit alpha type-3
UniProt Gene Name	PSMA3
UniProt Synonym Gene Names	HC8; PSC8

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/psma3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326150>