

Rabbit PSMA3 Polyclonal Antibody | anti-PSMA3 antibody

PSMA3 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37094	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunohistochemistry, Western Blot

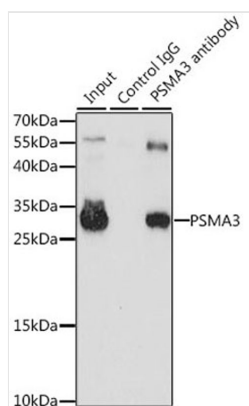
PRODUCT SYNONYMS

PSMA3; Polyclonal Antibody; PSMA3 Polyclonal Antibody; HC8; MGC12306; MGC32631; PSC3; anti-PSMA3 antibody

PRODUCT SPECIFICATIONS

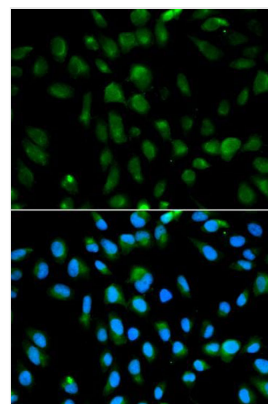
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.
Sequence Length	255
Applicable Applications for anti-PSMA3 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-225 of human PSMA3 (NP_002779.1).
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



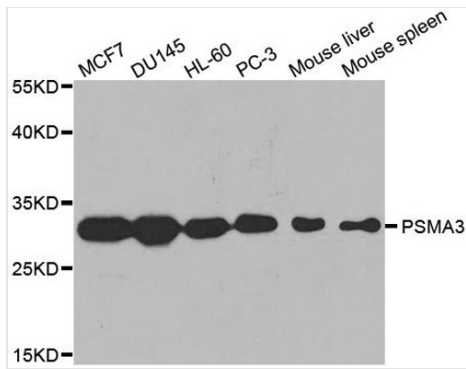
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200 µg extracts of HL-60 cells, using 3 µg PSMA3 antibody (AAA37094). Western blot was performed from the immunoprecipitate using PSMA3 antibody (AAA37094) at a dilution of 1:1000.



IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using PSMA3 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSMA3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA3 antibody	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 PSMA3), 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. PA700 binds polyubiquitin with high affinity and associates with the 20S proteasome to form the 26S proteasome, which preferentially degrades poly-ubiquitinated proteins (1-3). The proteasome has a broad substrate spectrum that includes cell cycle regulators, signaling molecules, tumor suppressors, and transcription factors. By controlling the degradation of these intracellular proteins, the proteasome functions in cell cycle regulation, cancer development, immune responses, protein folding, and disease progression (6-9).
Product Categories/Family for anti-PSMA3 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	130859
NCBI GeneID	5684
UniProt Accession #	P25788; Q86U83; Q8N1D8; Q9BS70; B2RCK6
Molecular Weight	Calculated MW: 27kDa/28kDa Observed MW: 28kDa
NCBI Official Full Name	Proteasome subunit alpha type-3
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, alpha type, 3
NCBI Official Symbol	PSMA3
NCBI Official Synonym Symbols	HC8; PSC3
NCBI Protein Information	proteasome subunit alpha type-3; macropain subunit C8; proteasome subunit C8; proteasome component C8; multicatalytic endopeptidase complex subunit C8
UniProt Protein Name	Proteasome subunit alpha type-3
UniProt Gene Name	PSMA3
UniProt Synonym Gene Names	HC8; PSC8
UniProt Entry Name	PSA3_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/psma3-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/37094>