

Rabbit PSMA6 Polyclonal Antibody | anti-PSMA6 antibody

PSMA6 Antibody

CATALOG # AAA305849	HOST Rabbit	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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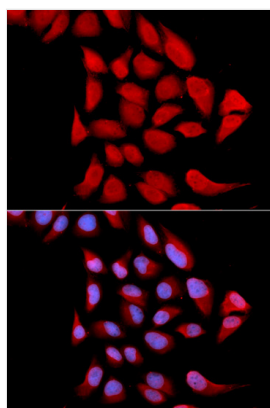
PRODUCT SYNONYMS

PSMA6; Polyclonal Antibody; PSMA6 Antibody; IOTA; MGC22756; MGC2333; MGC23846; PROS27; anti-PSMA6 antibody

PRODUCT SPECIFICATIONS

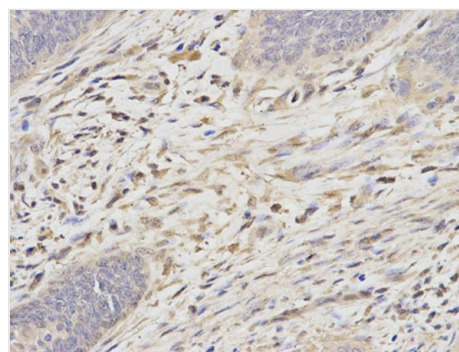
Host	Rabbit
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total PSMA6 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	167
Applicable Applications for anti-PSMA6 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PSMA6.
Target Name	PSMA6
Preparation and Storage	Store at -20 degree C

IMAGES



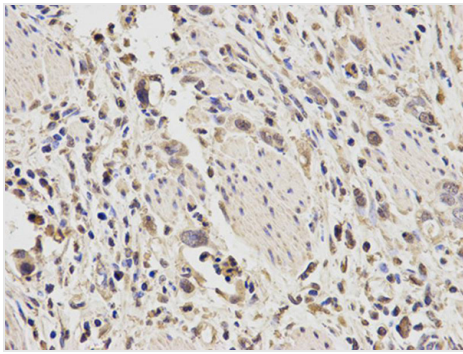
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using PSMA6 antibody. Blue: DAPI for nuclear staining.



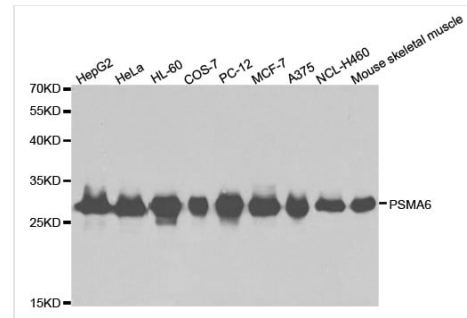
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human stomach cancer using PSMA6 antibody at dilution of 1:200 (400x lens).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human rectal cancer using PSMA6 antibody at dilution of 1:200 (400x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSMA6 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA6 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 a subunits (called PSMA6), and the two inner layers are identical rings composed of b subunits. While the catalytic sites are located on the b rings (1-3), the a subunits are important for assembly and as binding sites for regulatory proteins (4). Seven different a and ten different b 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-PSMA6 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	532691770
NCBI GeneID	5687
NCBI Accession #	NP_001269161.1
NCBI GenBank Nucleotide #	NM_001282232.1
UniProt Accession #	P60900; P34062; Q6IB60; B2R7J9; B4DQR4; B4DXJ9
Molecular Weight	18,816 Da
NCBI Official Full Name	proteasome subunit alpha type-6 isoform b
NCBI Official Synonym Full Names	proteasome subunit alpha 6
NCBI Official Symbol	PSMA6
NCBI Official Synonym Symbols	IOTA; p27K; PROS27
NCBI Protein Information	proteasome subunit alpha type-6
UniProt Protein Name	Proteasome subunit alpha type-6
UniProt Gene Name	PSMA6
UniProt Synonym Gene Names	PROS27; PROS-27; p27K
UniProt Entry Name	PSA6_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://www.aaabiotech.com/polyclonal/psma6-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/305849>