

Proteasome alpha 6 Monoclonal Antibody | anti-PSMA6 antibody

Proteasome alpha 6 Rabbit mAb

CATALOG # AAA314444	HOST Recombinant Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

Proteasome alpha 6; Monoclonal Antibody; Proteasome alpha 6 Rabbit mAb; IOTA; p27K; PROS27; anti-PSMA6 antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S01-4I2
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-PSMA6 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human Proteasome subunit alpha type 6
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry of Proteasome subunit alpha type 6 (green) in Hela using Proteasome subunit alpha type 6 antibody at dilution 1/20, and DAPI(blue)



WB (Western Blot)

Western blot detection of Proteasome subunit alpha type 6 in K562, C6, 3T3, Hela cell lysates using Proteasome subunit alpha type 6 Rabbit mAb(1:1000 diluted). Predicted band size: 27kDa. Observed band size: 27kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA6 antibody	Component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the cell by associating with different regulatory particles. Associated with two 19S regulatory particles, forms the 26S proteasome and thus participates in the ATP-dependent degradation of ubiquitinated proteins. The 26S proteasome plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins that could impair cellular functions, and by removing proteins whose functions are no longer required. Associated with the PA200 or PA28, the 20S proteasome mediates ubiquitin-independent protein degradation. This type of proteolysis is required in several pathways including spermatogenesis (20S-PA200 complex) or generation of a subset of MHC class I-presented antigenic peptides (20S-PA28 complex).
Product Categories/Family for anti-PSMA6 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	46397659
NCBI GeneID	5687
UniProt Accession #	P60900; P34062; Q6IB60; B2R7J9; B4DQR4; B4DXJ9
Molecular Weight	246
NCBI Official Full Name	Proteasome subunit alpha type-6
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, alpha type, 6
NCBI Official Symbol	PSMA6
NCBI Official Synonym Symbols	IOTA; p27K; PROS27
NCBI Protein Information	proteasome subunit alpha type-6; PROS-27; macropain iota chain; prosomal P27K protein; proteasome iota chain; macropain subunit iota; 27 kDa prosomal protein; proteasome subunit iota; multicatalytic endopeptidase complex iota chain
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://stage.aaabiotech.com/monoclonal/proteasome-alpha-6-antibody-clone-s01-4i2-immunofluorescence-western-blot-elisa/314444>