

Rabbit anti-Human Proteasome subunit beta type-7 Polyclonal Antibody | anti-PSMB7 antibody

Rabbit anti-human Proteasome subunit beta type-7 polyclonal Antibody

CATALOG # AAA229187	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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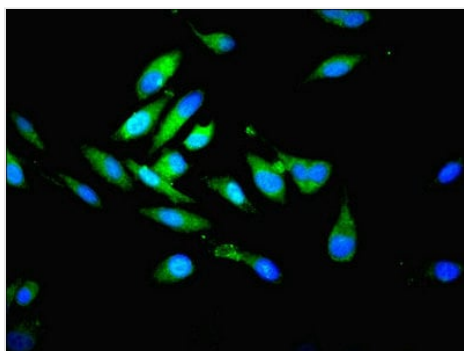
PRODUCT SYNONYMS

Proteasome subunit beta type-7; Polyclonal Antibody; Rabbit anti-human Proteasome subunit beta type-7 polyclonal Antibody; Macropain chain Z Multicatalytic endopeptidase complex chain Z Proteasome subunit Z; anti-PSMB7 antibody

PRODUCT SPECIFICATIONS

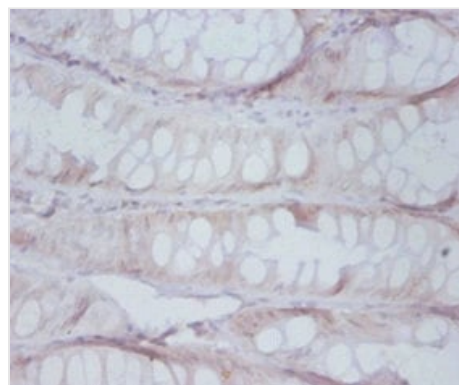
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	277
Applicable Applications for anti-PSMB7 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Proteasome subunit beta type-7 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-54677 / sc-54735
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



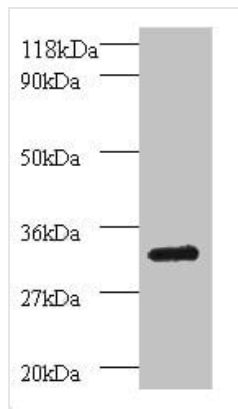
IHC (Immunohistochemistry)

Immunofluorescent analysis of HeLa cells using AAA229187 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colorectal carcinoma using AAA229187 at dilution of 1:50



WB (Western Blot)

Western blotAll lanes: Proteasome subunit beta type-7 antibody at 2ug/ml+293T whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/15000 dilutionPredicted band size: 30,16 kDaObserved band size: 30.5 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PSMB7 antibody	The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This unit is responsible of the trypsin-like activity. 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 proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit in the proteasome. Expression of this catalytic subunit is downregulated by gamma interferon and proteolytic processing is required to generate a mature subunit. This subunit is not present in the immunoproteasome and is replaced by catalytic subunit 2i (proteasome beta 10 subunit).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506203
NCBI GeneID	5695
NCBI Accession #	NP_002790.1
NCBI GenBank Nucleotide #	NM_002799.3
UniProt Accession #	Q99436 ; Q5TBG6 ; Q96AG8 ; Q9BWA7 ; B4E0P1
Molecular Weight	15,323 Da
NCBI Official Full Name	proteasome subunit beta type-7
NCBI Official Synonym Full Names	proteasome subunit beta 7
NCBI Official Symbol	PSMB7
NCBI Official Synonym Symbols	Z
NCBI Protein Information	proteasome subunit beta type-7
UniProt Protein Name	Proteasome subunit beta type-7
UniProt Gene Name	PSMB7
UniProt Synonym Gene Names	Z
UniProt Entry Name	PSB7_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/proteasome-subunit-beta-type-7-antibody-immunohistochemistry-western-blot-elisa/229187>