

Rabbit anti-Human PSMB5 Polyclonal Antibody | anti-PSMB5 antibody

PSMB5 Antibody (C-term)

CATALOG # AAA289700	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

PSMB5; Polyclonal Antibody; PSMB5 Antibody (C-term); Proteasome subunit beta type-5; Macropain epsilon chain; Multicatalytic endopeptidase complex epsilon chain; Proteasome chain 6; Proteasome epsilon chain; Proteasome subunit MB1; Proteasome subunit X; LMPX; MB1; X; anti-PSMB5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PSMB5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235-263 amino acids from the C-terminal region of human PSMB5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	235-263
Sequence Length	160
Applicable Applications for anti-PSMB5 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

PSMB5 Antibody (C-term) (AAA289700) immunohistochemistry analysis in formalin fixed and paraffin embedded human skin tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PSMB5 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of PSMB5 (arrow) using rabbit polyclonal PSMB5 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PSMB5 gene.



WB (Western Blot)
PSMB5 Antibody (C-term) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the PSMB5 antibody detected the PSMB5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PSMB5 antibody	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. This catalytic subunit is not present in the immunoproteasome and is replaced by catalytic subunit 3i (proteasome beta 8 subunit). Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-PSMB5 antibody	Cell Biology
References	Ri, M., et al. Leukemia 24(8):1506-1512(2010) Lu, S., et al. Exp. Hematol. 37(7):831-837(2009) Lu, S., et al. Exp. Hematol. 36(10):1278-1284(2008) Oerlemans, R., et al. Blood 112(6):2489-2499(2008) Wang, L., et al. Clin. Cancer Res. 14(11):3503-3513(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	195539356
NCBI GeneID	5693
NCBI Accession #	NP_001124197.1; NP_001138404.1; NP_002788.1
NCBI GenBank Nucleotide #	NM_001130725.1
UniProt Accession #	P28074; Q16242; Q6PEW2; Q7Z3B5; Q86T01; Q9TNN9; B2R4N9; B4DUM9; D3DS43; E9PAV2
Molecular Weight	28480
NCBI Official Full Name	proteasome subunit beta type-5 isoform 2
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, beta type, 5
NCBI Official Symbol	PSMB5
NCBI Official Synonym Symbols	X; MB1; LMPX
NCBI Protein Information	proteasome subunit beta type-5
UniProt Protein Name	Proteasome subunit beta type-5
UniProt Gene Name	PSMB5
UniProt Synonym Gene Names	LMPX; MB1; X

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/psmb5-antibody-immunohistochemistry-western-blot-elisa/289700>