

Rabbit anti-Human, mouse PSMB1 Polyclonal Antibody | anti-PSMB1 antibody

PSMB1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287000	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

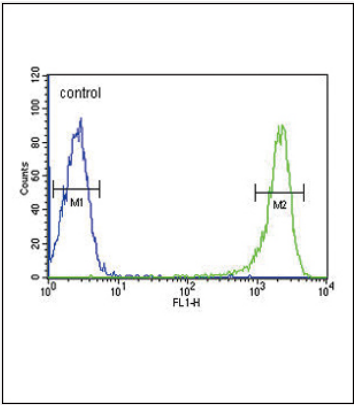
PRODUCT SYNONYMS

PSMB1; Polyclonal Antibody; PSMB1 Antibody (C-term); Proteasome subunit beta type-1; Macropain subunit C5; Multicatalytic endopeptidase complex subunit C5; Proteasome component C5; Proteasome gamma chain; PSC5; anti-PSMB1 antibody

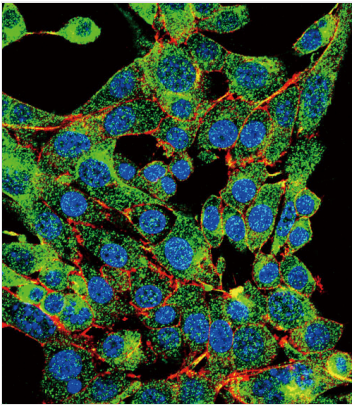
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PSMB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 214-241 amino acids from the C-terminal region of human PSMB1.
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: 0.45 (varies by lot)
Sequence Positions	214-241
Sequence Length	241
Applicable Applications for anti-PSMB1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), 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.

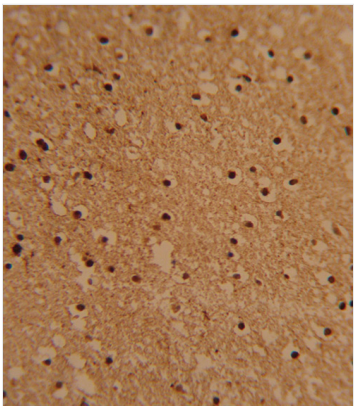
IMAGES



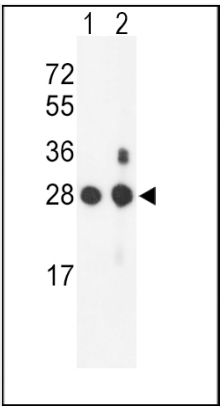
FCM/FACS (Flow Cytometry)
PSMB1 Antibody (C-term) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of PSMB1 Antibody (C-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with PSMB1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PSMB1 Antibody (C-term) in mouse NIH-3T3 cell line (lane 1) and mouse bladder tissue (lane 2) lysates (35ug/lane). PSMB1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMB1 antibody	PSMB1 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.
Product Categories/Family for anti-PSMB1 antibody	Cell Biology
References	Okumura,K.,et.al., Genomics 27 (2), 377-379 (1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506193
NCBI GeneID	5689
NCBI Accession #	NP_002784.1
NCBI GenBank Nucleotide #	NM_002793.3
UniProt Accession #	P20618; Q9BWA8; B5BU76

Molecular Weight	26489
NCBI Official Full Name	proteasome subunit beta type-1
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, beta type, 1
NCBI Official Symbol	PSMB1
NCBI Official Synonym Symbols	HC5; PSC5; PMSB1
NCBI Protein Information	proteasome subunit beta type-1
UniProt Protein Name	Proteasome subunit beta type-1
UniProt Gene Name	PSMB1
UniProt Synonym Gene Names	PSC5
UniProt Entry Name	PSB1_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/psmb1-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/287000>