

Rabbit PSMB1 Polyclonal Antibody | anti-PSMB1 antibody

PSMB1 Polyclonal Antibody

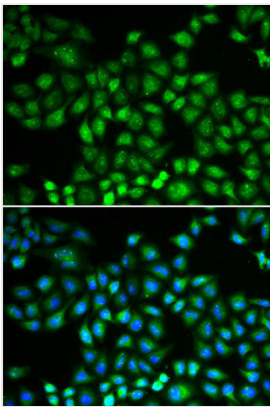
CATALOG # AAA28158	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

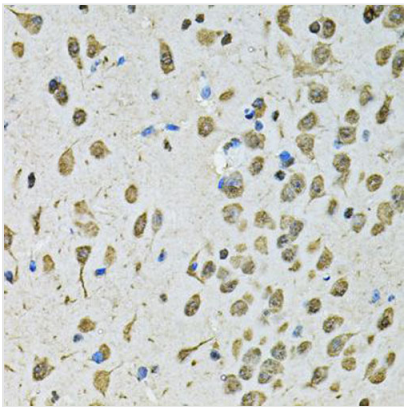
PSMB1; Polyclonal Antibody; PSMB1 Polyclonal Antibody; HC5; PSC5; PMSB1; anti-PSMB1 antibody

PRODUCT SPECIFICATIONS

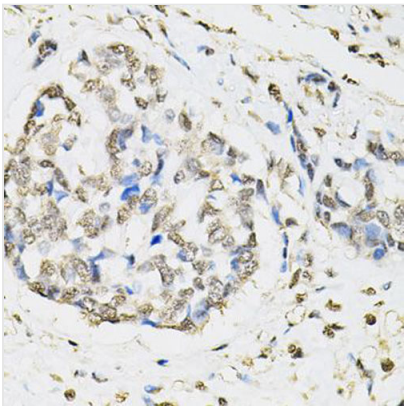
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	241
Applicable Applications for anti-PSMB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:50 - 1:200
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PSMB1
Calculated Molecular Weight	26kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



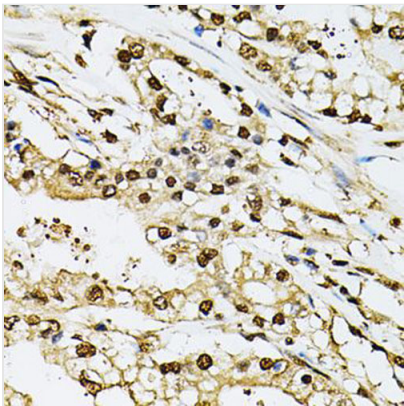
IF (Immunofluorescence)
Immunofluorescence analysis of MCF-7 cells using PSMB1 antibody. Blue: DAPI for nuclear staining.



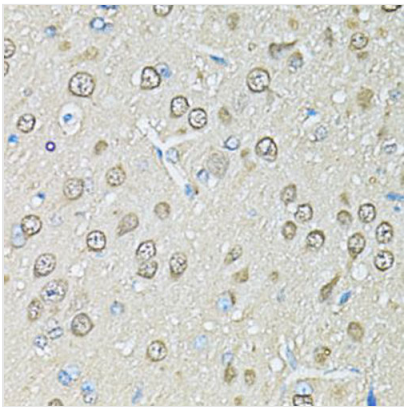
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse brain using PSMB1 antibody at dilution of 1:100 (40x lens).



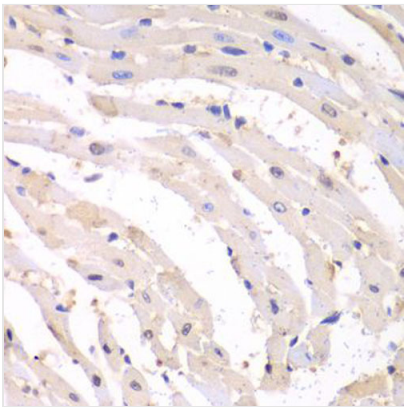
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human esophageal cancer using PSMB1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human prostate cancer using PSMB1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat brain using PSMB1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse heart using PSMB1 antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-PSMB1 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. This gene is tightly linked to the TBP (TATA-binding protein) gene in human and in mouse, and is transcribed in the opposite orientation in both species.
Product Categories/Family for anti-PSMB1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	130853
NCBI GeneID	5689
UniProt Accession #	P20618; Q9BWA8; B5BU76
Molecular Weight	241
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; macropain subunit C5; proteasome gamma chain; proteasome subunit HC5; proteasome component C5; proteasome beta 1 subunit; multicatalytic endopeptidase complex subunit C5
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-western-blot-immunohistochemistry-immunofluorescence-elisa/28158>