

Rabbit anti-Human PSMB10 Monoclonal Antibody | anti-PSMB10 antibody

PSMB10 Rabbit mAb

CATALOG # AAA282887	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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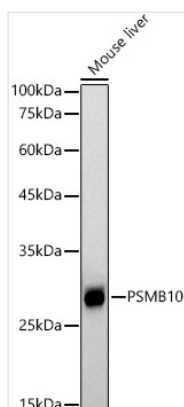
PRODUCT SYNONYMS

PSMB10; Monoclonal Antibody; PSMB10 Rabbit mAb; LMP10; MECL1; PRAAS5; beta2i; anti-PSMB10 antibody

PRODUCT SPECIFICATIONS

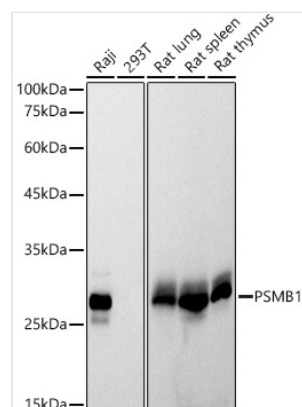
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MLKPALEPRG GFSFENCQRN ASLERVLPGL KVPHARKTGT TIAGLVFQDG VILGADTRAT NDSVVADKSC EKIHFIAPIK YCCGAGVAAD AEMTTRMVAS KMELHALSTG REPRVATVTR ILRQTLFRYQ GHVGASLIVG GVDLTGPQLY GVHPHGSYSR LPFTALGSGQ DAALAVLEDR FQPNMTLEAA QGLLVEAVTA GILGDLGSGG NVDACVITKT GAKLLRTLSS PTEPVKRSGR YHFVPGTTAV LTQTVKPLTL ELVEETVQAM EVE
Applicable Applications for anti-PSMB10 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-273 of human PSMB10 (P40306).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from Mouse liver, using PSMB10 Rabbit mAb (AAA282887) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



WB (Western Blot)

Western blot analysis of various lysates using PSMB10 Rabbit mAb (AAA282887) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMB10 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. Proteolytic processing is required to generate a mature subunit. Expression of this gene is induced by gamma interferon, and this gene product replaces catalytic subunit 2 (proteasome beta 7 subunit) in the immunoproteasome.
Product Categories/Family for anti-PSMB10 antibody	Cell Biology Developmental Biology; Ubiquitin; Immunology Inflammation; Cytokines; Cell Intrinsic Innate Immunity Signaling Pathway; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506191
NCBI GeneID	5699
NCBI Accession #	NP_002792.1
NCBI GenBank Nucleotide #	NM_002801.3
UniProt Accession #	P40306; Q5U098; B2R5J4
Molecular Weight	Calculated MW: 29kDa Observed MW: 25-29kDa
UniProt Protein Name	Proteasome subunit beta type-10
UniProt Gene Name	PSMB10
UniProt Synonym Gene Names	LMP10; MECL1
UniProt Entry Name	PSB10_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.