

Rabbit PSMB9 Polyclonal Antibody | anti-PSMB9 antibody

PSMB9 Antibody

CATALOG # AAA167607	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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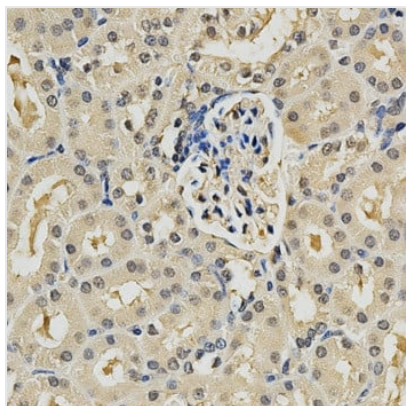
PRODUCT SYNONYMS

PSMB9; Polyclonal Antibody; PSMB9 Antibody; LMP2; MGC70470; PSMB6i; RING12; beta1i; anti-PSMB9 antibody

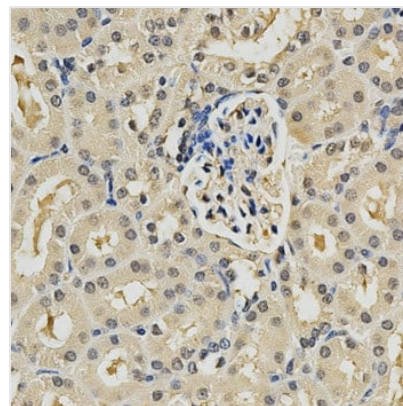
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	219
Applicable Applications for anti-PSMB9 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human PSMB9
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-16461 / sc-16459 / sc-28809
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

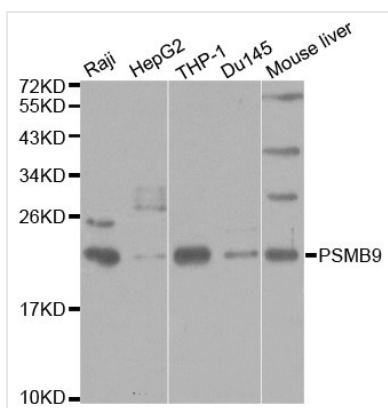
IMAGES


IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded mouse kidney using PSMB9 antibody at dilution of 1:200 (x400 lens)


IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human esophageal cancer using PSMB9 antibody at dilution of 1:200 (x400 lens)



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSMB9 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMB9 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 located in the class II region of the MHC (major histocompatibility complex). Expression of this gene is induced by gamma interferon and this gene product replaces catalytic subunit 1 (proteasome beta 6 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. [provided by RefSeq, Mar 2010]

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506205
NCBI GeneID	5698
NCBI Accession #	NP_002791.1
NCBI GenBank Nucleotide #	NM_002800.4
Molecular Weight	22,328 Da
NCBI Official Full Name	proteasome subunit beta type-9 proprotein
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, beta type, 9
NCBI Official Symbol	PSMB9
NCBI Official Synonym Symbols	LMP2; PSMB6i; RING12; beta1i
NCBI Protein Information	proteasome subunit beta type-9; large multifunctional peptidase 2; low molecular mass protein 2; macropain chain 7; multicatalytic endopeptidase complex chain 7; proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2); proteasome catalytic subunit 1i; proteasome chain 7; proteasome subunit beta 6i; proteasome subunit beta-1i; proteasome-related gene 2; really interesting new gene 12 protein
UniProt Protein Name	Proteasome subunit beta type-9
UniProt Gene Name	PSMB9
UniProt Synonym Gene Names	LMP2; PSMB6i; RING12
UniProt Entry Name	PSB9_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.

