-online.com antibodies

# Datasheet for ABIN680833 anti-PSMB8 antibody (AA 171-272)

Image



### Overview

Quantity:	100 µL
Target:	PSMB8
Binding Specificity:	AA 171-272
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Proteasome 20S LMP7
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.
T	
Target Details	

Target:

PSMB8

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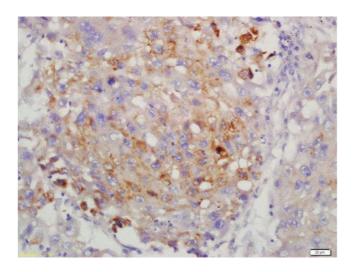
Target Details	
Alternative Name:	LMP7 (PSMB8 Products)
Background:	Synonyms: Proteasome 20S LMP7, D6S216, D6S216E, Large multunctional peptidase 7, Large
	multunctional protease 7, LMP 7, LMP-7, LMP7, Low molecular mass protein 7, Low molecular
	weight protein 7, Macropain subunit C13, MGC1491, Multicatalytic endopeptidase complex
	subunit C13, Protease component C13, Proteasome prosome macropain subunit beta type 8,
	Proteasome prosome, macropain subunit, beta type, 8 large multunctional peptidase 7,
	Proteasome beta 8 subunit, Proteasome catalytic subunit 3i, Proteasome component C13,
	Proteasome related gene 7, Proteasome subunit beta 5i, Proteasome subunit beta type 8,
	Proteasome subunit beta type, Proteasome subunit beta type-8, Proteasome subunit beta-5i,
	Proteasome subunit Y2, PSB8_HUMAN, PSMB 8, PSMB5i, PSMB8, Really interesting new gene
	10 protein, RING 10, RING10, Y2, ALDD, D6S216E, JMP, NKJO, PSMB5i, RING10.
	Background: 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 3 (proteasome beta 5
	subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature
	subunit. Two alternative transcripts encoding two isoforms have been identified, both isoforms
	are processed to yield the same mature subunit. [provided by RefSeq, Jul 2008].
Gene ID:	5696
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA
Application Details	

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200

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Application Details	
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Images



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-LMP7 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.

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