

Datasheet for ABIN904989

anti-PSMB8 antibody (AA 171-272) (AbBy Fluor® 350)



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Overview

Quantity:	100 µL
Target:	PSMB8
Binding Specificity:	AA 171-272
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB8 antibody is conjugated to AbBy Fluor® 350
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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.

Target Details

Target:	PSMB8
Alternative Name:	LMP7 (PSMB8 Products)

Target Details

Background: Synonyms: Proteasome 20S LMP7, D6S216, D6S216E, Large multifunctional peptidase 7, Large multifunctional 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 multifunctional 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: FCM 1:20-100
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months