

Datasheet for ABIN6146321  
**anti-PSMB8 antibody (AA 163-272)**



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5 Images

## Overview

Quantity:	100 µL
Target:	PSMB8
Binding Specificity:	AA 163-272
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 163-272 of human PSMB8 (NP_004150.1).
Sequence:	LSMGSMICGW DKKGPGLYYV DEHGTRLGN MFSTGSGNTY AYGVMDSGYR PNLSPEEAYD LGRRAIAYAT HRDSYSGGVV NMYHMKEDGW VKVESTDVSD LLHQYREANQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	PSMB8
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## Target Details

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Alternative Name:	PSMB8 ( <a href="#">PSMB8 Products</a> )
Background:	<p>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.</p> <p>.,PSMB8,ALDD,D6S216,D6S216E,JMP,LMP7,NKJO,PSMB5i,RING10,Cell Biology &amp; Developmental Biology,Ubiquitin,PSMB8</p>
Molecular Weight:	29 kDa/30 kDa
Gene ID:	5696
UniProt:	<a href="#">P28062</a>
Pathways:	<a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Synthesis of DNA</a>

## Application Details

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Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

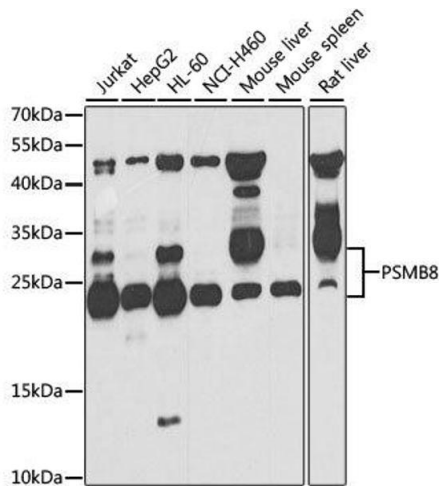
## Handling

should be handled by trained staff only.

Storage: -20 °C

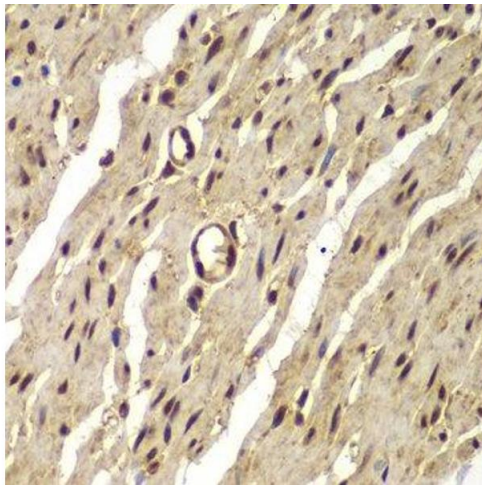
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



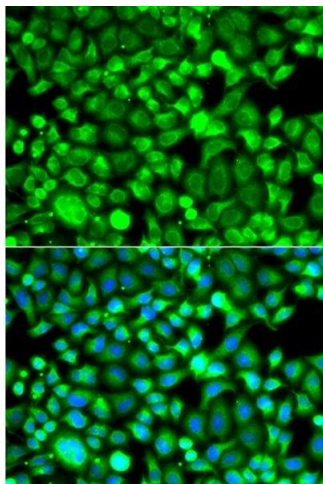
### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using PSMB8 antibody.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemistry of paraffin-embedded human colon using PSMB8 antibody.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of A549 cells using PSMB8 antibody.

## Images

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Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6146321.