

Datasheet for ABIN6243739
anti-PSMB9 antibody (C-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	PSMB9
Binding Specificity:	AA 205-239, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB9 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PSMB9 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 205-239 amino acids from the C-terminal region of human PSMB9.
Clone:	RB52176
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PSMB9
Alternative Name:	PSMB9 (PSMB9 Products)

Target Details

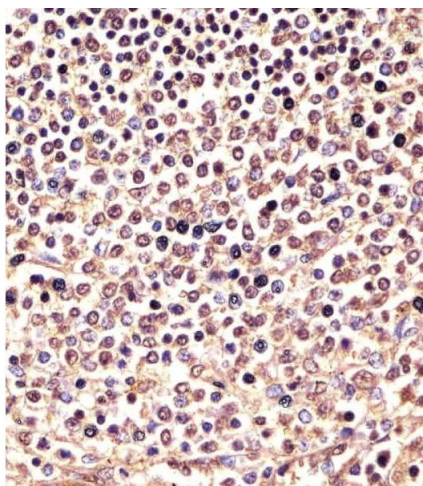
Background:	The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH . The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB6 by PSMB9 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues.
Molecular Weight:	23264
UniProt:	P28065
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA

Application Details

Application Notes:	WB: 1:2000. IHC-P: 1:25. FC: 1:25
Restrictions:	For Research Use only

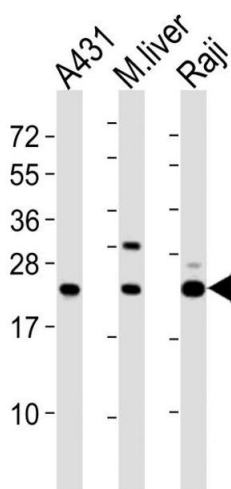
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



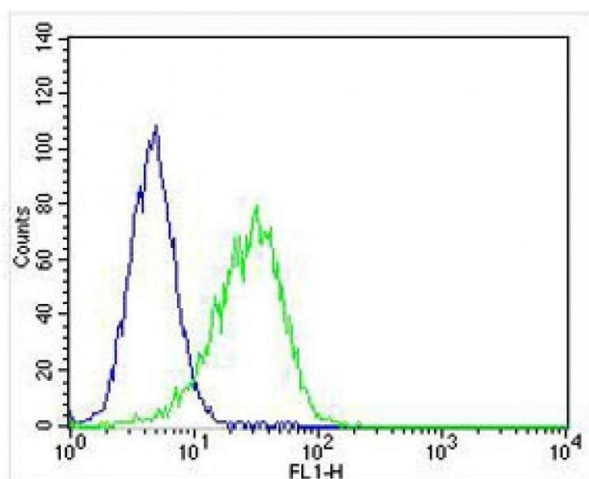
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (ABIN6243739 and ABIN6577971) staining PSMB9 in human spleen sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Western Blotting

Image 2. All lanes : Anti-PSMB9 Antibody (C-term) at 1:2000 dilution Lane 1: A431 whole cell lysates Lane 2: mouse liver lysates Lane 3: Raji whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 23 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Flow Cytometry

Image 3. Overlay histogram showing HeLa cells stained with (ABIN6243739 and ABIN6577971) (green line). The cells were fixed with 4 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN656663 and ABIN2845904), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was

performed.