Datasheet for ABIN7164994

anti-PSMB9 antibody (AA 21-219)

3 Images

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Overview

Quantity:	100 µg
Target:	PSMB9
Binding Specificity:	AA 21-219
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Proteasome subunit beta type-9 protein (21-219AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PSMB9
Alternative Name:	PSMB9 (PSMB9 Products)
Background:	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

Target Details

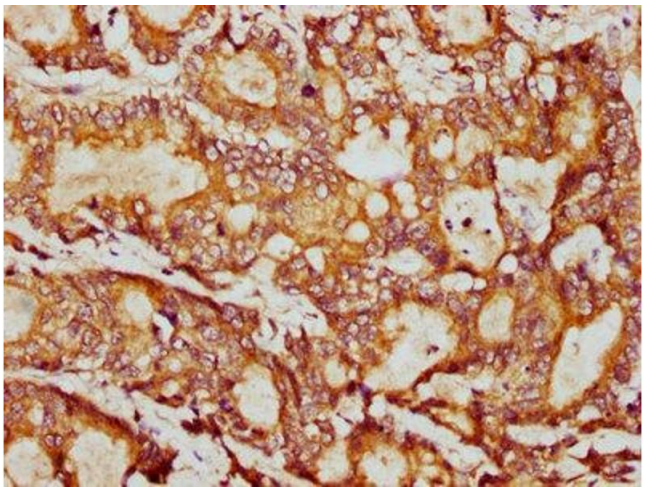
	neutral or slightly basic pH . The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB6 by PSMB9 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues. Aliases: Beta1i antibody, Large multifunctional peptidase 2 antibody, Large multifunctional protease 2 antibody, LMP 2 antibody, LMP2 antibody, Low molecular mass protein 2 antibody, Macropain chain 7 antibody, MGC70470 antibody, Multicatalytic endopeptidase complex chain 7 antibody, OTTHUMP00000062982 antibody, Proteasome (prosome macropain) subunit beta type 9 antibody, proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2) antibody, Proteasome beta 9 subunit antibody, Proteasome catalytic subunit 1i antibody, Proteasome chain 7 antibody, Proteasome related gene 2 antibody, Proteasome subunit beta 6i antibody, Proteasome subunit beta type 9 antibody, Proteasome subunit beta type-9 antibody, Proteasome subunit beta-1i antibody, PSB9_HUMAN antibody, PSMB 9 antibody, PSMB6i antibody, PSMB9 antibody, Really interesting new gene 12 protein antibody, RING 12 antibody, RING12 antibody, RING12 protein antibody
UniProt:	P28065
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500,
Restrictions:	For Research Use only

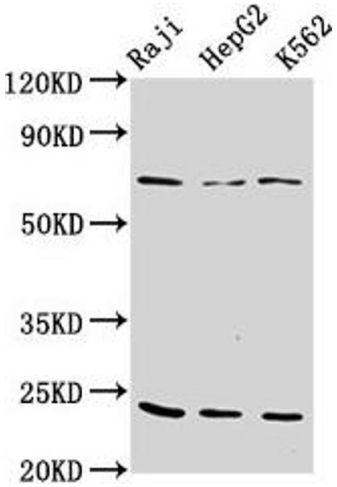
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



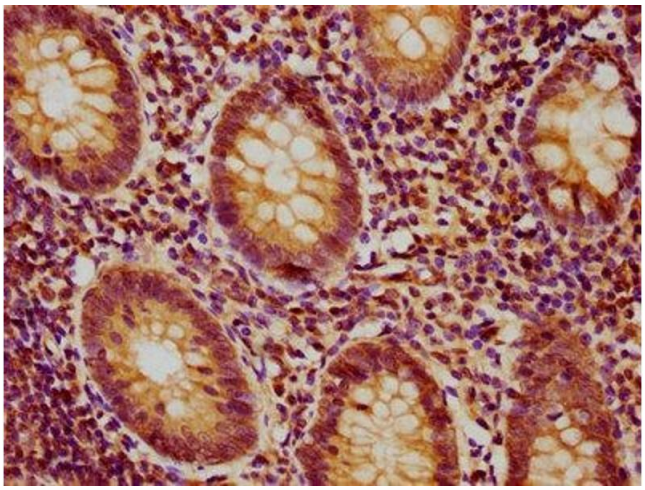
Immunohistochemistry

Image 1. IHC image of ABIN7164994 diluted at 1:400 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: Raji whole cell lysate, HepG2 whole cell lysate, K562 whole cell lysate All lanes: PSMB9 antibody at 10 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 24, 23 kDa Observed band size: 24 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7164994 diluted at 1:400 and staining in paraffin-embedded human appendix tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.