

Datasheet for ABIN7164990
anti-PSMB8 antibody (AA 176-276)



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2 Images

Overview

Quantity:	100 µL
Target:	PSMB8
Binding Specificity:	AA 176-276
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB8 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Proteasome subunit beta type-8 protein (176-276AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PSMB8
Alternative Name:	PSMB8 (PSMB8 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 PSMB5 by PSMB8 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues. Acts as a major component of interferon gamma-induced sensitivity. Plays a key role in apoptosis via the degradation of the apoptotic inhibitor MCL1. May be involved in the inflammatory response pathway. In cancer cells, substitution of isoform 1 (E2) by isoform 2 (E1) results in immunoproteasome deficiency. Required for the differentiation of preadipocytes into adipocytes.

Aliases: ALDD antibody, D6S216 antibody, D6S216E antibody, Large multifunctional peptidase 7 antibody, Large multifunctional protease 7 antibody, LMP 7 antibody, LMP7 antibody, Low molecular mass protein 7 antibody, Low molecular weight protein 7 antibody, Macropain subunit C13 antibody, MGC1491 antibody, Multicatalytic endopeptidase complex subunit C13 antibody, NKJO antibody, OTTHUMP00000062981 antibody, Protease component C13 antibody, Proteasome (prosome macropain) subunit beta type 8 antibody, Proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7) antibody, Proteasome beta 8 subunit antibody, Proteasome catalytic subunit 3i antibody, Proteasome component C13 antibody, Proteasome related gene 7 antibody, Proteasome subunit beta 5i antibody, Proteasome subunit beta 8 antibody, Proteasome subunit beta type 8 antibody, Proteasome subunit beta type antibody, Proteasome subunit beta type-8 antibody, Proteasome subunit beta-5i antibody, Proteasome subunit Y2 antibody, PSB8_HUMAN antibody, PSMB 8 antibody, PSMB5i antibody, PSMB8 antibody, Really interesting new gene 10 protein antibody, RING 10 antibody, RING10 antibody, Y2 antibody

UniProt:	P28062
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200,
Restrictions:	For Research Use only

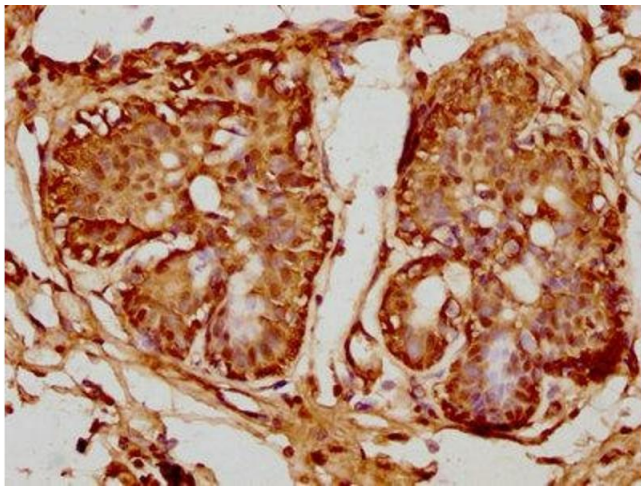
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Handling

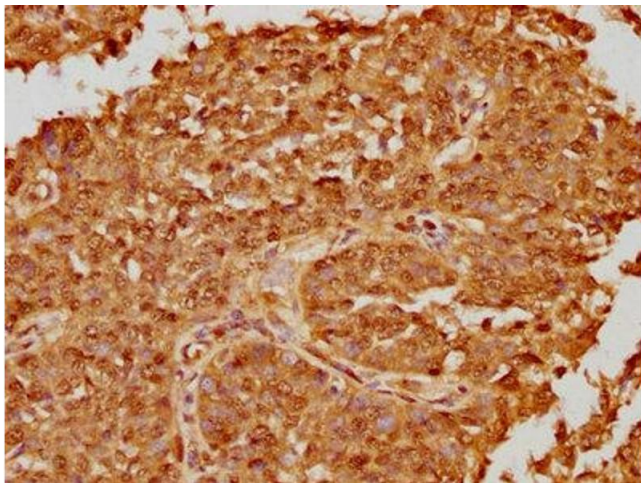
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. IHC image of ABIN7164990 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ 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 30 min 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.



Immunohistochemistry

Image 2. IHC image of ABIN7164990 diluted at 1:100 and staining in paraffin-embedded human cervical cancer performed on a Leica Bond™ 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 30 min 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.