



Datasheet for ABIN6264478
anti-PSMB9 antibody (Internal Region)



[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	PSMB9
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMB9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human Proteasome 20S LMP2, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	Proteasome 20S LMP2 Antibody detects endogenous levels of total Proteasome 20S LMP2.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	PSMB9
---------	-------

Target Details

Alternative Name:	PSMB9 (PSMB9 Products)
Background:	<p>Description: 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.</p> <p>Gene: PSMB9</p>
Molecular Weight:	23kDa
Gene ID:	5698
UniProt:	P28065
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

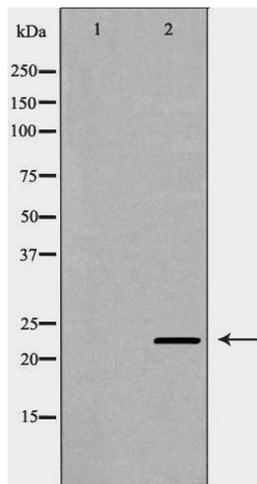
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Publications

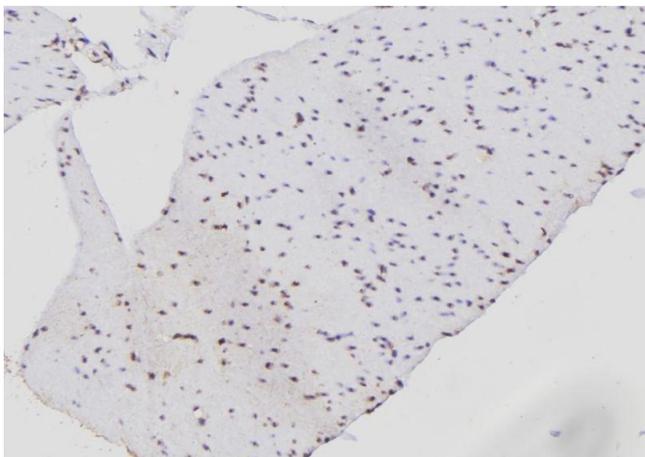
Product cited in: Jie, Weilong, Ming, Fei, Xinghua, Junhua, Guobin, Kaixiong, Xiaoming: "Enhancer of zeste homolog 2 depletion induces cellular senescence via histone demethylation along the INK4/ARF locus." in: **The international journal of biochemistry & cell biology**, Vol. 65, pp. 104-12, (2016) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of K562 cell lysate, using PSMB9 Antibody. The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 2. ABIN6276869 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary