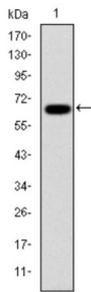
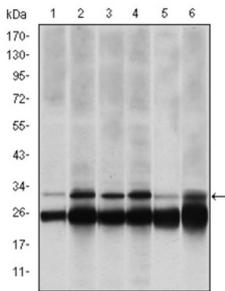


## Proteasome Subunit Beta Type 8 (PSMB8) Antibody

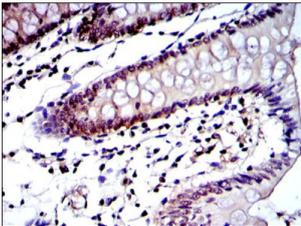
Catalogue No.: abx011689



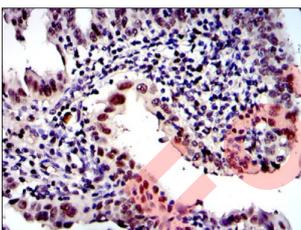
Western blot analysis using PSMB8 antibody against human PSMB8 (AA: 1-272) recombinant protein. (Expected MW is 55.2 kDa).



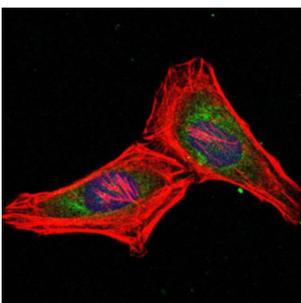
Western blot analysis using PSMB8 antibody against Hela (1), MCF-7 (2), A431 (3), RAJI (4), MOTL4 (5) and PC-12 (6) cell lysate.



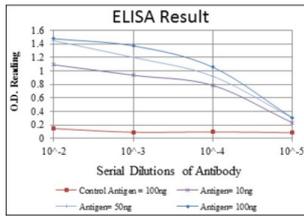
Immunohistochemical analysis of paraffin-embedded intima cancer tissues using PSMB8 antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded colon tissues using PSMB8 antibody with DAB staining.



Immunofluorescence analysis of Hela cells using PSMB8 antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

Proteasome Subunit Beta Type 8 (PSMB8) Antibody is a Mouse Monoclonal against Proteasome Subunit Beta Type 8 (PSMB8) Antibody. 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.

<b>Target:</b>	Proteasome Subunit Beta Type 8 (PSMB8)
<b>Clonality:</b>	Monoclonal
<b>Reactivity:</b>	Human, Rat
<b>Tested Applications:</b>	ELISA, WB, IHC, IF/ICC
<b>Host:</b>	Mouse
<b>Recommended dilutions:</b>	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Purified recombinant fragment of human PSMB8 expressed in E. coli.
<b>Isotype:</b>	IgG <sub>1</sub>
<b>Form:</b>	Liquid
<b>Purification:</b>	Unpurified ascites.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 3.0.0  
Revision date: 28 Dec 2024



**UniProt Primary AC:** P28062 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** PSMB8

**GeneID:** [5696](#)

**OMIM:** [177046](#)

**NCBI Accession:** NP\_004150.1, NM\_004159.4, NP\_683720.2, NM\_148919.3

**KEGG:** hsa:5696

**String:** [9606.ENSP00000364016](#)

**Molecular Weight:** 30 kDa

**Buffer:** Ascitic fluid containing 0.03% sodium azide.

**Concentration:** Not determined.

**Note:** This product is for research use only.

For Reference Only