

**PSMB2 Antibody (monoclonal) (M02)**

Mouse monoclonal antibody raised against a full length recombinant PSMB2.

Catalog # AT3459a

**Specification**

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**PSMB2 Antibody (monoclonal) (M02) - Product Information**

Application	IHC, E
Primary Accession	<a href="#">P49721</a>
Other Accession	<a href="#">BC000268</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	22836

**PSMB2 Antibody (monoclonal) (M02) - Additional Information**

Gene ID 5690

**Other Names**

Proteasome subunit beta type-2, Macropain subunit C7-I, Multicatalytic endopeptidase complex subunit C7-I, Proteasome component C7-I, PSMB2

**Target/Specificity**

PSMB2 (AAH00268, 1 a.a. ~ 201 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

PSMB2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

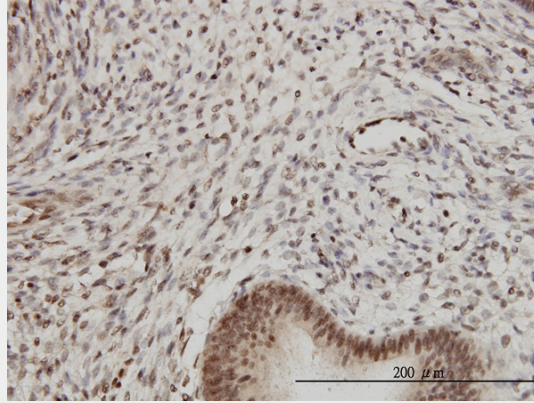
**PSMB2 Antibody (monoclonal) (M02) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

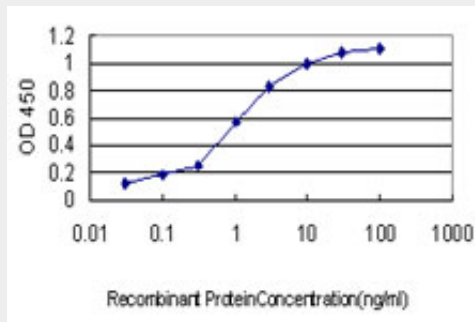
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

### PSMB2 Antibody (monoclonal) (M02) - Images



Immunoperoxidase of monoclonal antibody to PSMB2 on formalin-fixed paraffin-embedded human endometrium.[antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged PSMB2 is approximately 0.03ng/ml as a capture antibody.

### PSMB2 Antibody (monoclonal) (M02) - Background

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. [provided by RefSeq]