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PSMB2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant PSMB2.
Catalog # AT3459a

Product Information

Application	IHC, E
Primary Accession	P49721
Other Accession	BC000268
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	M1
Calculated MW	22836

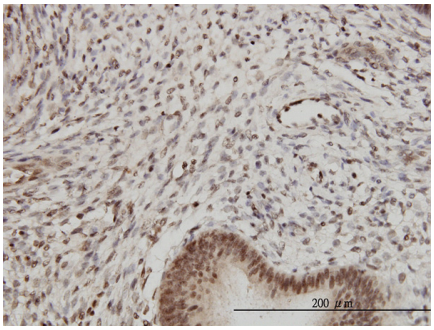
Additional Information

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.
Dilution	IHC~~1:100~500 E~~N/A
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.

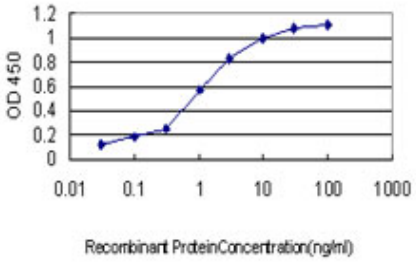
Background

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]

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.