

PSMD7 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant PSMD7.****Catalog # AT3472a****Specification**

PSMD7 Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	P51665
Other Accession	BC012606
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	37025

PSMD7 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 5713**Other Names**

26S proteasome non-ATPase regulatory subunit 7, 26S proteasome regulatory subunit RPN8, 26S proteasome regulatory subunit S12, Mov34 protein homolog, Proteasome subunit p40, PSMD7, MOV34L

Target/Specificity

PSMD7 (AAH12606, 1 a.a. ~ 324 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

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

PSMD7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

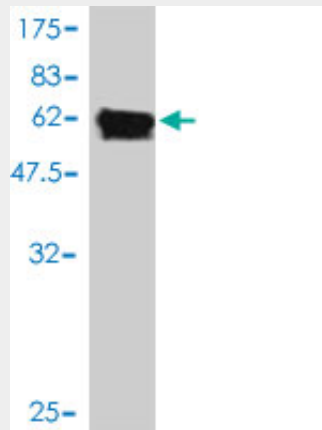
PSMD7 Antibody (monoclonal) (M01) - Protocols

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

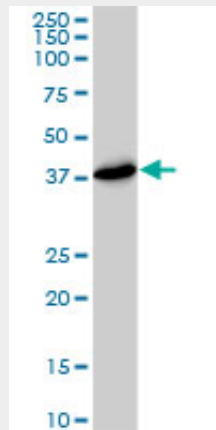
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

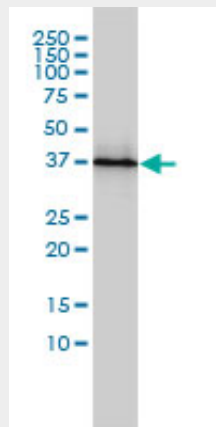
PSMD7 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (61.38 KDa) .



PSMD7 monoclonal antibody (M01), clone 2G5. Western Blot analysis of PSMD7 expression in HeLa S3 NE ((Cat # AT3472a)



PSMD7 monoclonal antibody (M01), clone 2G5 Western Blot analysis of PSMD7 expression in Jurkat ((Cat # AT3472a)

PSMD7 Antibody (monoclonal) (M01) - Background

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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 non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 17.

PSMD7 Antibody (monoclonal) (M01) - References

A polymorphism rs17336700 in the PSMD7 gene is associated with ankylosing spondylitis in Chinese subjects. Niu Z, et al. *Ann Rheum Dis*, 2010 Jul 19. PMID 20643764. Fine mapping and association studies of a high-density lipoprotein cholesterol linkage region on chromosome 16 in French-Canadian subjects. Dastani Z, et al. *Eur J Hum Genet*, 2010 Mar. PMID 19844255. Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. *Cell*, 2009 Jul 23. PMID 19615732. The crystal structure of the human Mov34 MPN domain reveals a metal-free dimer. Sanches M, et al. *J Mol Biol*, 2007 Jul 27. PMID 17559875. Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. *Mol Syst Biol*, 2007. PMID 17353931.