

## PSMD14 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PSMD14.

Catalog # AT3469a

### Specification

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#### PSMD14 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	<a href="#">O00487</a>
Other Accession	<a href="#">BC009524</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	34577

#### PSMD14 Antibody (monoclonal) (M01) - Additional Information

Gene ID 10213

##### Other Names

26S proteasome non-ATPase regulatory subunit 14, 3419-, 26S proteasome regulatory subunit RPN11, 26S proteasome-associated PAD1 homolog 1, PSMD14, POH1

##### Target/Specificity

PSMD14 (AAH09524.1, 1 a.a. ~ 95 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

PSMD14 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

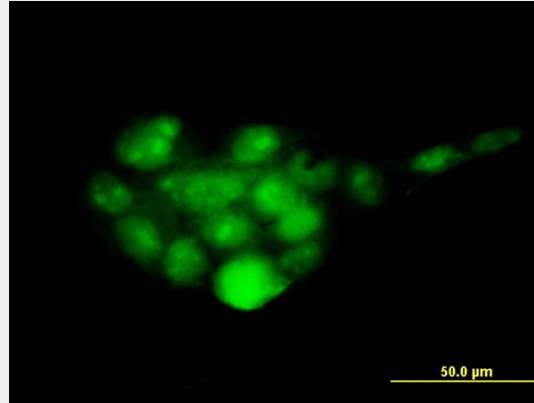
#### PSMD14 Antibody (monoclonal) (M01) - Protocols

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

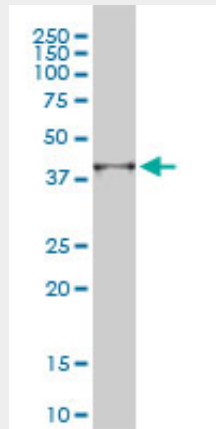
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

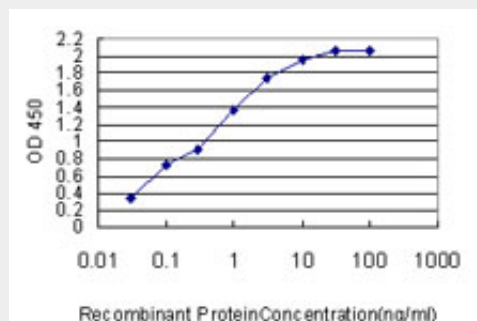
### PSMD14 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to PSMD14 on A-431 cell. [antibody concentration 25 ug/ml]



PSMD14 monoclonal antibody (M01), clone 4A10-E8 Western Blot analysis of PSMD14 expression in A-431 ( Cat # L015V1 ).



Detection limit for recombinant GST tagged PSMD14 is approximately 0.03ng/ml as a capture antibody.

### PSMD14 Antibody (monoclonal) (M01) - Background

PSMD14 is a component of the 26S proteasome, a multiprotein complex that degrades proteins targeted for destruction by the ubiquitin pathway (Spataro et al., 1997 [PubMed 9374539]).

#### **PSMD14 Antibody (monoclonal) (M01) - References**

Knockdown of human deubiquitinase PSMD14 induces cell cycle arrest and senescence. Byrne A, et al. *Exp Cell Res*, 2010 Jan 15. PMID 19732767. Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. *Cell*, 2009 Jul 23. PMID 19615732. Relationship between expression of Pad1 homologue and multidrug resistance of idiopathic nephrotic syndrome. Ma Z, et al. *Pediatr Int*, 2009 Oct. PMID 19419512. Chaperone-mediated pathway of proteasome regulatory particle assembly. Roelofs J, et al. *Nature*, 2009 Jun 11. PMID 19412159. K63-specific deubiquitination by two JAMM/MPN+ complexes: BRISC-associated Brcc36 and proteasomal Poh1. Cooper EM, et al. *EMBO J*, 2009 Mar 18. PMID 19214193.