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# PSMD14 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PSMD14.
Catalog # AT3469a

## Product Information

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|---|---|
| **Application** | WB, IF, E |
| **Primary Accession** | O00487 |
| **Other Accession** | BC009524 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG1 Kappa |
| **Clone Names** | 4A10-E8 |
| **Calculated MW** | 34577 |

## Additional Information

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|---|---|
| **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 IF~~1:50~200 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** | PSMD14 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Background

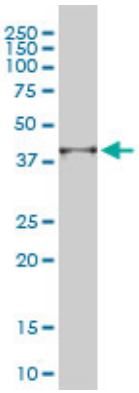
PSMD14 is a component of the 26S proteasome, a multiprotein complex that degrades proteins targeted for destruction by the ubiquitin pathway (Spataro et al., 1997 [PubMed 9374539]).

## References

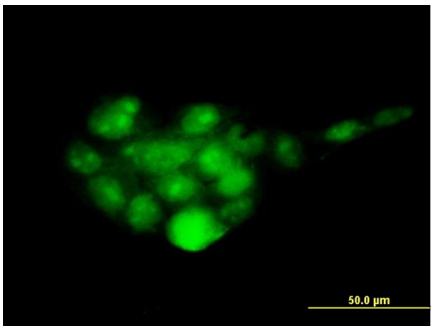
Knockdown of human deubiquitinase PSMD14 induces cell cycle arrest and senescence. Byrne A, et al. Exp Cell Res, 2010 Jan 15. PMID 19732767.Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.Relationship between expression of Pad1 homologue 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.

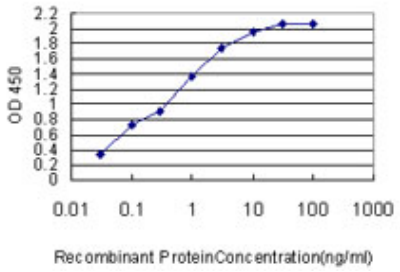
## Images




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




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




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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.