

## Rabbit anti-Human PSMD4 Polyclonal Antibody | anti-PSMD4 antibody

Rabbit anti-PSMD4 Antibody, Affinity Purified

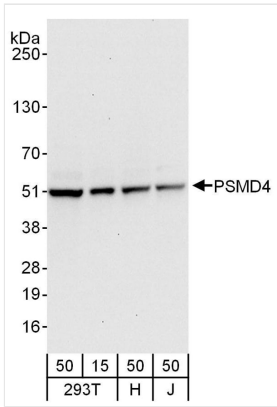
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                            |
|-----------|--------|------------|---------------------------------------------------------|
| AAA212323 | Rabbit | Human      | Immunohistochemistry, Immunoprecipitation, Western Blot |

### PRODUCT SYNONYMS

PSMD4; Polyclonal Antibody; Rabbit anti-PSMD4 Antibody; Affinity Purified; multiubiquitin chain-binding protein; S5a/antiselectory factor protein; S5A; Rpn10; proteasome (prosome; macropain) 26S subunit; non-ATPase; 4; MCB1; ASF; angiocidin; 26S proteasome non-ATPase regulatory subunit 4; AF-1; AF; 26S proteasome regulatory subunit S5A; 26S proteasome regulatory subunit RPN10; antiselectory factor 1; pUB-R5; proteasome 26S subunit; non-ATPase 4; anti-PSMD4 antibody

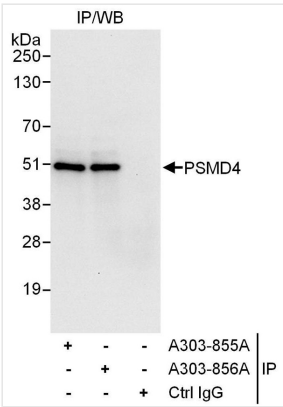
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human                                                                                     |
| Clonality                                       | Polyclonal                                                                                |
| Purity/Purification                             | Antigen Affinity Purified                                                                 |
| Form/Format                                     | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                   | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-PSMD4 antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)                   |
| Predicted Reactivity                            | Bovine                                                                                    |
| Immunogen                                       | Between 327 and C-terminus                                                                |
| Conjugation                                     | Unconjugated                                                                              |
| Preparation and Storage                         | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |



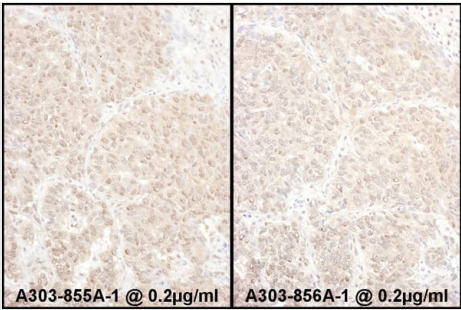
**WB (Western Blot)**

Detection of human PSMD4 by western blot. Samples: Whole cell lysate from HEK293T (15 and 50 ug), HeLa (H; 50 ug), and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-PSMD4 antibody AAA212323 (lot AAA212323-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



**IP (Immunoprecipitation)**

Detection of human PSMD4 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-PSMD4 antibody AAA212323 (lot AAA212323-1) used for IP at 6 ug/mg lysate. PSMD4 was also immunoprecipitated by rabbit anti-PSMD4 antibody For blotting immunoprecipitated PSMD4, AAA212323 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



**IHC (Immunohistochemistry)**

Detection of human PSMD4 by immunohistochemistry. Samples: FFPE sections of human lung carcinoma. Antibody: Affinity purified rabbit anti-PSMD4 Cat. No. Lot1 used at a dilution of 1:5,000 (0.2ug/ml) (left) and Cat. No. AAA212323 Lot1 used at a dilution of 1:5,000 (0.2ug/ml) (right). Detection: DAB

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PSMD4 antibody | PSMD4 [proteasome (prosome, macropain) 26S subunit, non-ATPase, 4] is a non-ATPase subunit of the 19S regulator lid. The 19S regulator and 20S core complexes make up the 26S proteasome which is a multicatalytic proteinase complex with a highly ordered structure. 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 [taken from NCBI Entrez Gene (Gene ID: 5710)]. |
| Product Categories/Family for anti-PSMD4 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                           |             |
|---------------------------|-------------|
| NCBI GI #                 | 5292161     |
| NCBI GeneID               | 5710        |
| NCBI Accession #          | NP_002801.1 |
| NCBI GenBank Nucleotide # | NM_002810.2 |

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| UniProt Accession #              | <a href="#">P55036</a> ; <a href="#">Q5VWC5</a> ; <a href="#">Q9NS92</a> ; <a href="#">D3DV16</a> |
| Molecular Weight                 | 28,612 Da                                                                                         |
| NCBI Official Full Name          | 26S proteasome non-ATPase regulatory subunit 4 isoform 2                                          |
| NCBI Official Synonym Full Names | proteasome 26S subunit, non-ATPase 4                                                              |
| NCBI Official Symbol             | PSMD4                                                                                             |
| NCBI Official Synonym Symbols    | AF; ASF; S5A; AF-1; MCB1; Rpn10; pUB-R5                                                           |
| NCBI Protein Information         | 26S proteasome non-ATPase regulatory subunit 4                                                    |
| UniProt Protein Name             | 26S proteasome non-ATPase regulatory subunit 4                                                    |
| UniProt Gene Name                | <b>PSMD4</b>                                                                                      |
| UniProt Synonym Gene Names       | MCB1; AF; ASF                                                                                     |
| UniProt Entry Name               | PSMD4_HUMAN                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/psmd4-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212323>