

## Rabbit anti-Human, Mouse PSMD2 Polyclonal Antibody | anti-PSMD2 antibody

PSMD2 Polyclonal Antibody

|                              |                       |                                   |                                                                               |
|------------------------------|-----------------------|-----------------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA37532</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|-----------------------------------|-------------------------------------------------------------------------------|

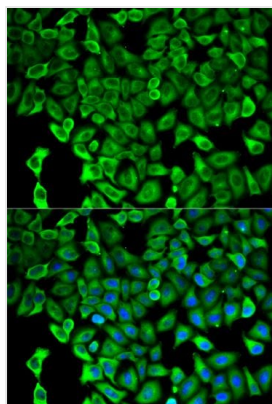
### PRODUCT SYNONYMS

PSMD2; Polyclonal Antibody; PSMD2 Polyclonal Antibody; S2; P97; RPN1; TRAP2; anti-PSMD2 antibody

### PRODUCT SPECIFICATIONS

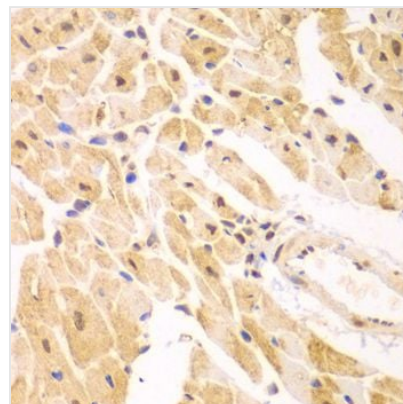
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse                                                                                                                                          |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Isotype                                         | IgG                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                 | 908                                                                                                                                                   |
| Applicable Applications for anti-PSMD2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                |
| Species                                         | Human                                                                                                                                                 |
| Immunogen                                       | Recombinant Protein                                                                                                                                   |
| Immunogen                                       | Recombinant protein of human PSMD2                                                                                                                    |
| Calculated Molecular Weight                     | 100kDa                                                                                                                                                |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### IMAGES



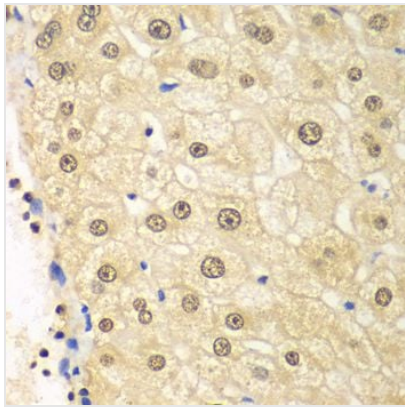
#### IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using PSMD2 antibody. Blue: DAPI for nuclear staining.



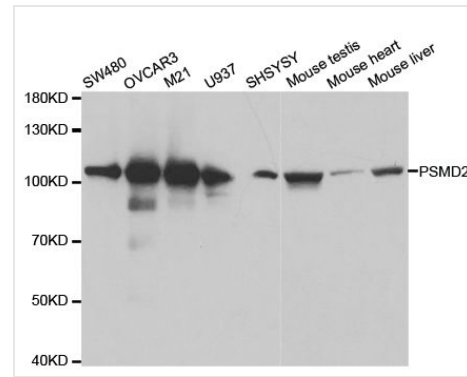
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse heart using PSMD2 antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver injury using PSMD2 antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSMD2 antibody at 1:600 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

## ADDITIONAL INFORMATION

#### Related Product Information for anti-PSMD2 antibody

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 one of the non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, this subunit may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1. Alternative splicing results in multiple transcript variants of this gene.

#### Product Categories/Family for anti-PSMD2 antibody

Polyclonal

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6174930                                                                                                                                                             |
| NCBI GeneID                      | 5708                                                                                                                                                                |
| UniProt Accession #              | Q13200; Q12932; Q15321; Q53XQ4; Q96I12; B4DX07; B4DXY1; E7EW34; E9PCS3                                                                                              |
| Molecular Weight                 | 908                                                                                                                                                                 |
| NCBI Official Full Name          | 26S proteasome non-ATPase regulatory subunit 2                                                                                                                      |
| NCBI Official Synonym Full Names | proteasome (prosome, macropain) 26S subunit, non-ATPase, 2                                                                                                          |
| NCBI Official Symbol             | PSMD2                                                                                                                                                               |
| NCBI Official Synonym Symbols    | S2; P97; RPN1; TRAP2                                                                                                                                                |
| NCBI Protein Information         | 26S proteasome non-ATPase regulatory subunit 2; 55.11 protein; protein 55.11; TNFR-associated protein 2; tumor necrosis factor type 1 receptor-associated protein 2 |
| UniProt Protein Name             | 26S proteasome non-ATPase regulatory subunit 2                                                                                                                      |
| UniProt Gene Name                | PSMD2                                                                                                                                                               |
| UniProt Synonym Gene Names       | TRAP2                                                                                                                                                               |
| UniProt Entry Name               | PSMD2_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/psmd2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/37532>