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Datasheet for ABIN5009352  
**anti-PSMD9 antibody (AA 65-150) (Alexa Fluor 680)**

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | PSMD9  |
| Binding Specificity: | AA 65-150  |
| Reactivity:          | Mouse, Rat   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This PSMD9 antibody is conjugated to Alexa Fluor 680   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human PSMD9 |
| Isotype:              | IgG   |
| Cross-Reactivity:     | Mouse, Rat  |
| Predicted Reactivity: | Human,Dog,Cow,Pig,Horse,Chicken,Rabbit,Guinea Pig         |
| Purification:         | Purified by Protein A.                                    |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | PSMD9                                    |
| Alternative Name: | PSMD9 ( <a href="#">PSMD9 Products</a> ) |

## Target Details

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**Background:** Synonyms: Bridge-1, MGC8644, 26S proteasome non ATPase regulatory subunit 9, 26S proteasome regulatory subunit p27, Homolog of rat Bridge 1, p27, Proteasome prosome macropain 26S subunit non ATPase 9, Proteasome 26S non ATPase regulatory subunit 9, Proteasome 26S subunit non ATPase 9, PSMD 9, Rpn4.

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. PSMD9 is a non-ATPase subunit of the 19S regulator.

**Pathways:** [Positive Regulation of Peptide Hormone Secretion](#), [Negative Regulation of Hormone Secretion](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#), [Ubiquitin Proteasome Pathway](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

**Storage:** -20 °C

**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

## Handling

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Expiry Date: 12 months