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# PSMD3 Antibody
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP51702**

## Specification

### PSMD3 Antibody - Product Information

| | |
|---|---|
| Application | **WB, E** |
| Primary Accession | O43242 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **61 KDa** |

### PSMD3 Antibody - Additional Information

**Gene ID** 5709

**Other Names**
26S proteasome non-ATPase regulatory subunit 3, 26S proteasome regulatory subunit RPN3, 26S proteasome regulatory subunit S3, Proteasome subunit p58, PSMD3

**Format**
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**
Store at -20 °C.Stable for 12 months from date of receipt

### PSMD3 Antibody - Protein Information

**Name** PSMD3

**Function**
Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair.

### PSMD3 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**PSMD3 Antibody - Images**

**PSMD3 Antibody - Background**

Acts as a regulatory subunit of the 26 proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins.

**PSMD3 Antibody - References**

Kominami K.,et al.Mol. Biol. Cell 8:171-187(1997).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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Wang X.,et al.Biochemistry 46:3553-3565(2007).