

### **PSMD2** Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP50754

#### **Specification**

### **PSMD2 Antibody - Product Information**

Application Primary Accession Reactivity Host Clonality Calculated MW Antigen Region WB <u>Q13200</u> Human, Mouse, Rat Rabbit Polyclonal 100 KDa 25-53

### **PSMD2** Antibody - Additional Information

Gene ID 5708

**Other Names** 

26S proteasome non-ATPase regulatory subunit 2, 26S proteasome regulatory subunit RPN1, 26S proteasome regulatory subunit S2, 26S proteasome subunit p97, Protein 5511, Tumor necrosis factor type 1 receptor-associated protein 2, PSMD2, TRAP2

Dilution WB~~1:1000

Format

Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions -20℃

### **PSMD2 Antibody - Protein Information**

Name PSMD2

Synonyms TRAP2

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.

**Tissue Location** 



Found in skeletal muscle, liver, heart, brain, kidney, pancreas, lung and placenta

# **PSMD2 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
- <u>Cell Culture</u>

### **PSMD2** Antibody - Images



Western blot analysis of lysates from Hela,A431 cell line (from left to right),using PSMD2 Antibody(AP50754). AP50754 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

### PSMD2 Antibody - Background

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

# **PSMD2 Antibody - References**

Tsurumi C.,et al.Eur. J. Biochem. 239:912-921(1996). Kalnine N.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases. Dunbar J.D.,et al.J. Immunol. 158:4252-4259(1997). Boldin M.P.,et al.FEBS Lett. 367:39-44(1995). Olsen J.V.,et al.Cell 127:635-648(2006).