

**Psma2 Antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI13946****Specification**

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**Psma2 Antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P17220</a>
Other Accession	<a href="#">NM_017279</a> , <a href="#">NP_058975</a>
Reactivity	Human, Mouse, Rat, Rabbit, Sheep, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Sheep, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25kDa KDa

**Psma2 Antibody - C-terminal region - Additional Information****Gene ID** 29669**Other Names**

Proteasome subunit alpha type-2, 3.4.25.1, Macropain subunit C3, Multicatalytic endopeptidase complex subunit C3, Proteasome component C3, Psma2

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Psma2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Psma2 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Psma2 Antibody - C-terminal region - Protein Information****Name** Psma2**Function**

Component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the cell by associating with different regulatory particles. Associated with two 19S regulatory particles, forms the 26S proteasome and thus participates in the ATP- dependent degradation of ubiquitinated proteins. The 26S proteasome plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins that could impair cellular functions, and by removing proteins whose functions are no longer required. Associated with the PA200 or PA28, the 20S proteasome

mediates ubiquitin- independent protein degradation. This type of proteolysis is required in several pathways including spermatogenesis (20S-PA200 complex) or generation of a subset of MHC class I-presented antigenic peptides (20S-PA28 complex).

#### Cellular Location

Cytoplasm. Nucleus. Note=Translocated from the cytoplasm into the nucleus following interaction with AKIRIN2, which bridges the proteasome with the nuclear import receptor IPO9 (By similarity) Colocalizes with TRIM5 in cytoplasmic bodies (By similarity) {ECO:0000250|UniProtKB:P25787, ECO:0000250|UniProtKB:P49722}

#### Tissue Location

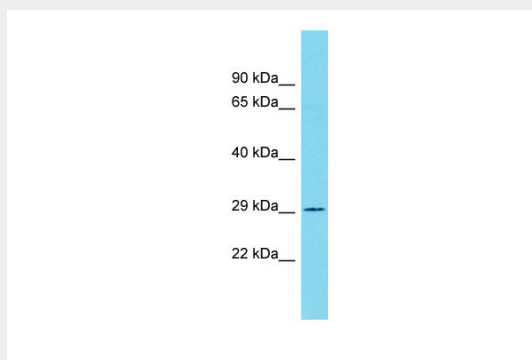
Ubiquitous..

### Psma2 Antibody - C-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Psma2 Antibody - C-terminal region - Images



Host: Rabbit  
Target Name: Psma2  
Sample Tissue: Rat Lung lysates  
Antibody Dilution: 1.0µg/ml

### Psma2 Antibody - C-terminal region - References

Tanaka K.,et al.Biochemistry 29:3777-3785(1990).  
Tokunaga F.,et al.FEBS Lett. 263:373-375(1990).  
Lubec G.,et al.Submitted (NOV-2006) to UniProtKB.  
Benedict C.M.,et al.Biochemistry 35:11612-11621(1996).