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Psma2 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13946

Product Information

Application	WB
Primary Accession	P17220
Other Accession	NM_017279, NP_058975
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25927

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.

Protein Information

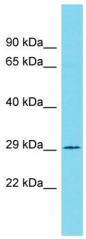
Name	Psma2
Function	Component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the cell by associating with different regulatory particles. Associated with two 19S regulatory particles, forms 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..

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).

Images



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