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Anti-PSMA5 Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17365

Product Information

Application	WB, IHC-P, IF
Primary Accession	P28066
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	26411

Additional Information

Gene ID	5686
Alias Symbol	PSMA5
Other Names	PSMA5, Proteasome component 5, Proteasome subunit zeta, Proteasome alpha 5 subunit, Macropain zeta chain, Zeta, Proteasome zeta chain, Macropain subunit zeta, Proteasome alpha-type 5, PSC5
Target/Specificity	Human PSMA5
Reconstitution & Storage	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.
Precautions	Anti-PSMA5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PSMA5 (HGNC:9534)
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
Tissue Location	Expressed in fetal brain (at protein level).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.