

Anti-PSMA5 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17365**Specification**

Anti-PSMA5 Antibody - Product Information

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

Anti-PSMA5 Antibody - 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.

Anti-PSMA5 Antibody - Protein Information**Name** PSMA5**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).

Anti-PSMA5 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 Cytometry](#)
- [Cell Culture](#)

Anti-PSMA5 Antibody - Images