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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**
Dilution	**WB~~1:1000** **IHC-P~~N/A** **IF~~1:50~200**

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 (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).

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 Cytomety
- Cell Culture

Anti-PSMA5 Antibody - Images