

### **Anti-PSMA5 Antibody**

Rabbit Anti Human Polyclonal Antibody Catalog # ALS17365

# **Specification**

### **Anti-PSMA5 Antibody - Product Information**

Application WB, IHC-P, IF

Primary Accession <u>P28066</u>

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.

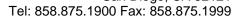
### **Anti-PSMA5 Antibody - Protein Information**

### 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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

**Anti-PSMA5 Antibody - Images**