

Anti-PSMA7 Antibody (clone 1A10-3G12)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17841**Specification**

Anti-PSMA7 Antibody (clone 1A10-3G12) - Product Information

Application	WB, IHC-P, IF, E, IP
Primary Accession	O14818
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b,k
Calculated MW	27887
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A IP~~N/A

Anti-PSMA7 Antibody (clone 1A10-3G12) - Additional Information**Gene ID** 5688**Alias Symbol** PSMA7**Other Names**

PSMA7, Proteasome subunit RC6-1, XAPC7, Proteasome subunit alpha 4, Proteasome subunit XAPC7, RC6-1, HSPC

Target/Specificity

Human PSMA7

Reconstitution & Storage

Protein A purified

Precautions

Anti-PSMA7 Antibody (clone 1A10-3G12) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-PSMA7 Antibody (clone 1A10-3G12) - Protein Information**Name** PSMA7 ([HGNC:9536](#))**Synonyms** HSPC**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). Inhibits the transactivation function of HIF-1A under both normoxic and hypoxia-mimicking conditions. The interaction with EMAP2 increases the proteasome-mediated HIF-1A degradation under the hypoxic conditions. Plays a role in hepatitis C virus internal ribosome entry site-mediated translation. Mediates nuclear translocation of the androgen receptor (AR) and thereby enhances androgen-mediated transactivation. Promotes MAVS degradation and thereby negatively regulates MAVS-mediated innate immune response.

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

Anti-PSMA7 Antibody (clone 1A10-3G12) - 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-PSMA7 Antibody (clone 1A10-3G12) - Images