Immunotag™ PSMA7 Antibody

Antibody Specification

Catalog No.	ITA8099
Product Description	Immunotag™ PSMA7 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PSMA7
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:1000-3000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human PSMA7
Specificity	PSMA7 Antibody detects endogenous levels of total PSMA7
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	PSMA7
Accession No.	O14818
Alternate Names	C6; HSPC; MGC3755; OTTHUMP00000031449; OTTHUMP00000031450; OTTHUMP00000031453; Proteasome (prosome macropain) subunit alpha type 7; Proteasome alpha 7 subunit; Proteasome subunit alpha 4; Proteasome subunit alpha type 7; Proteasome subunit alpha type-7; Proteasome subunit RC6 1; Proteasome subunit RC6-1; Proteasome subunit XAPC7; PSA7_HUMAN; PSMA 7; PSMA7; RC6 1; XAPC7;

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Description	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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	40 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.