

Mouse PSMA7 Monoclonal Antibody | anti-PSMA7 antibody

PSMA7 antibody

CATALOG #	HOST	APPLICATIONS
AAA107262	Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

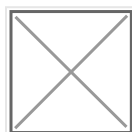
PRODUCT SYNONYMS

PSMA7; Monoclonal Antibody; PSMA7 antibody; Monoclonal PSMA7; Anti-PSMA7; Proteasome subunit alpha type 7; HSPC; C6; RC6-1; XAPC7; PSMA 7; PSMA-7; anti-PSMA7 antibody

PRODUCT SPECIFICATIONS

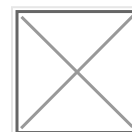
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	8F9
Purity/Purification	PSMA7 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	248
Applicable Applications for anti-PSMA7 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the peptidase T1A family, that is a 20S core alpha subunit. This particular subunit has been shown to interact specifically with the hepatitis B virus X protein, a protein critical to viral replication.
Cross-Reactivity	Human
Immunogen	PSMA7 antibody was raised in mouse using a full length recombinant protein of human PSMA7 (NP_002783) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant PSMA7 protein using PSMA7 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of PSMA7 protein in paraffin embedded Human ovary tissue using PSMA7 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PSMA7 protein (Right) or empty vector (Left) detected with PSMA7 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA7 antibody	Mouse monoclonal PSMA7 antibody
Product Categories/Family for anti-PSMA7 antibody	Protein Modification & Stress Response

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506189
NCBI GeneID	5688
NCBI Accession #	NP_002783
NCBI GenBank Nucleotide #	NM_002792.3
UniProt Accession #	O14818; Q5JXJ2; Q9BR53; Q9H4K5; Q9UEU8; B2R515
Molecular Weight	16,135 Da
NCBI Official Full Name	proteasome subunit alpha type-7
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, alpha type, 7
NCBI Official Symbol	PSMA7
NCBI Official Synonym Symbols	C6; HSPC; RC6-1; XAPC7
NCBI Protein Information	proteasome subunit alpha type-7
UniProt Protein Name	Proteasome subunit alpha type-7
UniProt Gene Name	PSMA7
UniProt Synonym Gene Names	HSPC
UniProt Entry Name	PSA7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/psma7-antibody-clone-8f9-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/107262>