

Mouse PSMA5 Monoclonal Antibody | anti-PSMA5 antibody

Anti-PSMA5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266013	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PSMA5; Monoclonal Antibody; Anti-PSMA5 Antibody; anti-PSMA5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG1
Specificity	Recognizes endogenous levels of PSMA5 protein.
Purity/Purification	This antibody is purified through a protein G column.
Form/Format	Mouse IgG1. Liquid in PBS, pH7.3, 30% glycerol, and 0.01% sodium azide.
Applicable Applications for anti-PSMA5 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human PSMA5. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



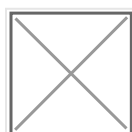
IF (Immunofluorescence)

Immunofluorescent analysis of PSMA5 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of PSMA5 staining in human testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of PSMA5 expression in MCF7 (A), Neuro2a (B), PC12 (C) whole cell lysates. (Predicted band size: 26 kD; Observed band size: 25 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA5 antibody	Mouse monoclonal antibody to PSMA5
Product Categories/Family for anti-PSMA5 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	315138981
NCBI GeneID	5686
NCBI Accession #	NP_001186701.1
NCBI GenBank Nucleotide #	NM_001199772.1
UniProt Accession #	P28066; Q9Z2U1; P34064
Molecular Weight	20,035 Da
NCBI Official Full Name	proteasome subunit alpha type-5 isoform 2
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, alpha type, 5
NCBI Official Symbol	PSMA5
NCBI Official Synonym Symbols	PSC5; ZETA
NCBI Protein Information	proteasome subunit alpha type-5; macropain subunit zeta; macropain zeta chain; multicatalytic endopeptidase complex zeta chain; proteasome alpha 5 subunit; proteasome component 5; proteasome subunit zeta; proteasome zeta chain
UniProt Protein Name	Proteasome subunit alpha type-5
UniProt Gene Name	PSMA5
UniProt Entry Name	PSA5_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.