

Mouse anti-Human PSMA Monoclonal Antibody | anti-PSMA antibody

PSMA antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48014	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PSMA; Monoclonal Antibody; PSMA antibody; folate hydrolase (prostate-specific membrane antigen); FGCP; FOLH; GCP2; GCPII; mGCP; NAALAD1; NAALAdase; PSM; glutamate carboxypeptidase 2 isoform 2; anti-PSMA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	k1H7
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (determined by BCA assay) (varies by lot)
Sequence Length	719
Applicable Applications for anti-PSMA antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human PSMA (117-351aa) purified from E. coli
Preparation and Storage	Can be stored at +2°C to +8°C for one week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PSMA in LNCaP cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PSMA antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

Cell lysates of LNCaP (30ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PSMA (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA antibody	Prostate-specific membrane antigen (PSMA) is a 100-120 kDa type II transmembrane glycoprotein that is a glutamate-preferring carboxy-peptidase. Three functionally distinct proteins are encoded, including folypoly-gamma-glutamate carboxypeptidase in the intestine, N-acetylated alpha-linked acidic dipeptidase 1 in the brain, and prostate-specific membrane antigen in the prostate. PSMA is highly expressed in prostate secretory-acinar epithelium, in some benign extraprostatic epithelial cells from breast, duodenum, and kidney tissues, and in prostate cancer.
--	--

Product Categories/Family for anti-PSMA antibody	Cancer
References	Rajasekaran SA, et al., (2008) Mol Cancer Ther 7 (7):2142-2151; Polly D.G, et al., (2005) Int J Cancer 116 (3):415-421; Susan F.S, et al., (2005) Expert Opin Ther Targets 9 (3):561-570

NCBI AND UNIPROT INFORMATION

NCBI GI #	62548858
NCBI GeneID	2346
NCBI Accession #	NP_001014986
NCBI GenBank Nucleotide #	NM_001014986.2
UniProt Accession #	Q04609; O43748; Q16305; Q541A4; Q8TAY3; Q9NP15; A4UU12; A9CB79; B7Z312; B7Z343; D3DQS5; E9PDX8
NCBI Official Full Name	glutamate carboxypeptidase 2 isoform 2
NCBI Official Synonym Full Names	folate hydrolase 1
NCBI Official Symbol	FOLH1
NCBI Official Synonym Symbols	PSM; FGCP; FOLH; GCP2; PSMA; mGCP; GCPII; NAALAD1; NAALadase
NCBI Protein Information	glutamate carboxypeptidase 2
UniProt Protein Name	Glutamate carboxypeptidase 2
UniProt Gene Name	FOLH1
UniProt Synonym Gene Names	FOLH; NAALAD1; PSM; PSMA; FGCP; GCPII; mGCP; NAALADase I; PSM; PSMA

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/monoclonal/psma-antibody-clone-k1h7-immunofluorescence-immunocytochemistry-western-blot-elisa/48014>