

anti-Human PSMA Antibody | anti-PSMA antibody

Anti-PSMA [11d1e5E10]

CATALOG #	REACTIVITY	APPLICATIONS
AAA72358	Human	Immunohistochemistry, ELISA

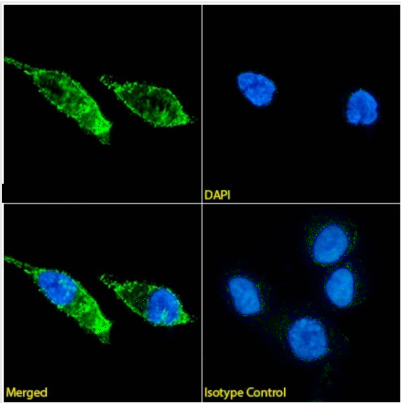
PRODUCT SYNONYMS

PSMA; Anti-PSMA [11d1e5E10]; PSM; FOLH1; FOLH; FGCP; GCPII; mGCP; NAALAD1; GIG27; Prostate specific membrane antigen; Glutamate carboxypeptidase 2; Cell growth-inhibiting gene 27 protein; Folate hydrolase 1; Folylpoly-gamma-glutamate carboxypeptidase; Glutamate carboxypeptidase II; Membrane glutamate carboxypeptidase; N-acetylated-alpha-linked acidic dipeptidase I; NAALADase I; Prostate-specific membrane antigen; Pteroylpoly-gamma-glutamate carboxypeptidase; anti-PSMA antibody

PRODUCT SPECIFICATIONS

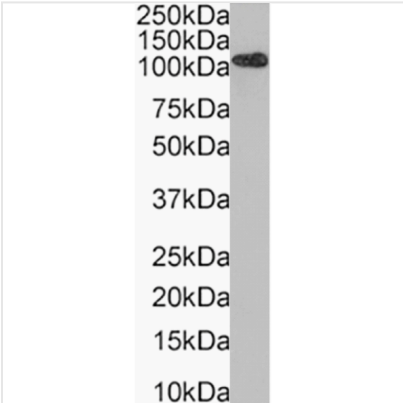
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	11d1e5E10
Specificity	This antibody binds an epitope between amino acids 370 and 750 of the human PSMA. Prostate-specific membrane antigen (PSMA) is a type II integral membrane glycoprotein belonging to the M28 peptidase family. It acts as a glutamate carboxypeptidase on different alternative substrate. It is highly expressed in cancerous cells and is used as an effective test and prognostic indicator of prostate cancer.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PSMA antibody	IHC (Immunohistochemistry), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



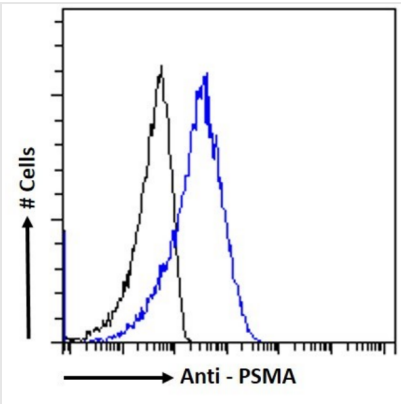
IF (Immunofluorescence)

Immunofluorescence staining of LNCaP cells with anti-PSMA antibody 11d1e5E10 . Immunofluorescence analysis of paraformaldehyde fixed LNCaP cells stained with the chimeric rabbit IgG version of 11d1e5E10 (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom,, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western blot using anti-PSMA antibody 11d1e5E10 . LNCaP cells lysate (35ug protein in RIPA buffer) was resolved on an SDS-PAGE gel, and blots were probed with the chimeric rabbit version of 11d1e5E10 at 0.01ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used, and protein was detected by chemiluminescence.



FCM/FACS (Flow Cytometry)

Flow cytometry using anti-PSMA antibody 11d1e5E10 . LNCaP cells were stained with the anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of 11d1e5E10 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and the cells were analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMA antibody	The original antibody was generated by immunizing mice with a HIS tagged human PSMA fragment (amino acids between 307 to 750).
Product Categories/Family for anti-PSMA antibody	tumor marker; cancer; oncology; tumor

NCBI AND UNIPROT INFORMATION

NCBI GI #	548615
NCBI GeneID	2346
UniProt Accession #	Q04609; O43748; Q16305; Q541A4; Q8TAY3; Q9NP15; A4UU12; A9CB79; B7Z312; B7Z343; D3DQS5; E9PDX8
Molecular Weight	84kDa
NCBI Official Full Name	Glutamate carboxypeptidase 2

NCBI Official Synonym Full Names	folate hydrolase (prostate-specific membrane antigen) 1
NCBI Official Symbol	FOLH1
NCBI Official Synonym Symbols	PSM; FGCP; FOLH; GCP2; PSMA; mGCP; GCPII; NAALAD1; NAALAdase
NCBI Protein Information	glutamate carboxypeptidase 2; NAALADase I; glutamate carboxylase II; glutamate carboxypeptidase II; membrane glutamate carboxypeptidase; cell growth-inhibiting gene 27 protein; folylpoly-gamma-glutamate carboxypeptidase; prostate specific membrane antigen
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
UniProt Entry Name	FOLH1_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/human-antibody/psma/72358>