

anti-Human PSMA Antibody | anti-PSMA antibody

Anti-PSMA [11d1e5E10]

CATALOG #	REACTIVITY	APPLICATIONS
AAA72359	Human	Immunohistochemistry, ELISA

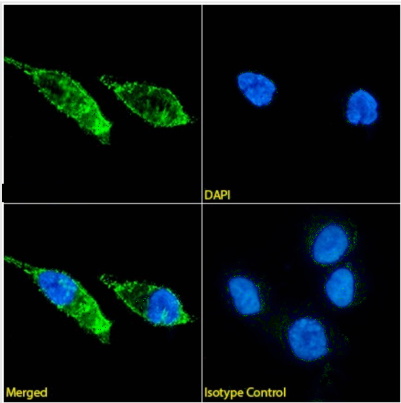
PRODUCT SYNONYMS

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

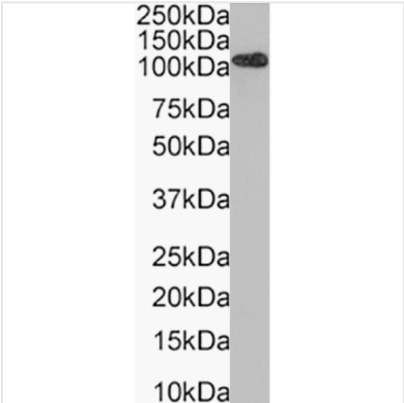
Reactivity	Human
Isotype	Rabbit IgG kappa
Clone Number	11d1e5E10
Specificity	This antibody binds an epitope between amino acids 370 and 750 of the human PSMA. Prostate-specific membrane antigen (PSMA) is a type II integral membrane glycoprotein belonging to the M28 peptidase family. It acts as a glutamate 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



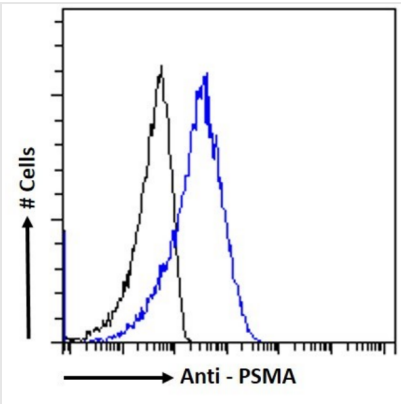
IF (Immunofluorescence)

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 (AAA72359) (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, AAA72359, 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 (AAA72359) 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 (AAA72359, blue line) 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). This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-antibody/psma/72359>