

Rabbit FOLH1 Polyclonal Antibody | anti-FOLH1 antibody

FOLH1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287536	Rabbit	Human (Predicted Reactivity: Mouse, Pig, Rat)	Immunohistochemistry, Western Blot, ELISA, Immunofluorescence

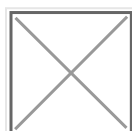
PRODUCT SYNONYMS

FOLH1; Polyclonal Antibody; FOLH1 Antibody (N-term); Glutamate carboxypeptidase 2; Cell growth-inhibiting gene 27 protein; Folate hydrolase 1; Folylpoly-gamma-glutamate carboxypeptidase; FGCP; Glutamate carboxypeptidase II; GCPII; Membrane glutamate carboxypeptidase; mGCP; N-acetylated-alpha-linked acidic dipeptidase I; NAALADase I; Prostate-specific membrane antigen; PSM; PSMA; Pteroylpoly-gamma-glutamate carboxypeptidase; FOLH; NAALAD1; anti-FOLH1 antibody

PRODUCT SPECIFICATIONS

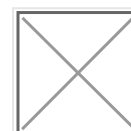
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FOLH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 161-190 amino acids from the N-terminal region of human FOLH1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	161-190
Sequence Length	442
Applicable Applications for anti-FOLH1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of FOLH1 Antibody (N-term) with ZR-75-1 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

FOLH1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FOLH1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

FOLH1 Antibody (N-term) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the FOLH1 antibody detected the FOLH1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-FOLH1 antibody	This gene encodes a type II transmembrane glycoprotein belonging to the M28 peptidase family. The protein acts as a glutamate carboxypeptidase on different alternative substrates, including the nutrient folate and the neuropeptide N-acetyl-L-aspartyl-L-glutamate and is expressed in a number of tissues such as prostate, central and peripheral nervous system and kidney. A mutation in this gene may be associated with impaired intestinal absorption of dietary folates, resulting in low blood folate levels and consequent hyperhomocysteinemia. Expression of this protein in the brain may be involved in a number of pathological conditions associated with glutamate excitotoxicity. In the prostate the protein is up-regulated in cancerous cells and is used as an effective prognostic indicator of prostate cancer. This gene likely arose from a duplication event of a nearby chromosomal region. Alternative splicing gives rise to multiple transcript variants encoding several different isoforms.
Product Categories/Family for anti-FOLH1 antibody	Cancer; Metabolism; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Giusti, B., et al. Thromb. Haemost. 104(2):231-242(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) : Mlcochova, P., et al. Prostate 69(5):471-479(2009) Davis, M.I., et al. Proc. Natl. Acad. Sci. U.S.A. 102(17):5981-5986(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	62548858
NCBI GeneID	2346
NCBI Accession #	NP_001014986.1; NP_001180400.1; NP_001180401.1; NP_001180402.1; NP_004467.1
NCBI GenBank Nucleotide #	NM_001014986.1
UniProt Accession #	Q04609; O43748; Q16305; Q541A4; Q8TAY3; Q9NP15; A4UU12; A9CB79; B7Z312; B7Z343; D3DQS5; E9PDX8
Molecular Weight	84331
NCBI Official Full Name	glutamate carboxypeptidase 2 isoform 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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/folh1-antibody-immunohistochemistry-western-blot-immunofluorescence-elisa/287536>