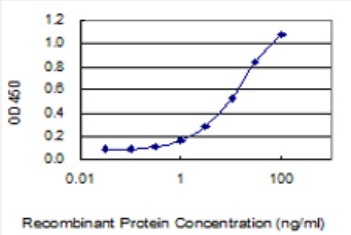
FOLH1 monoclonal antibody (M02), clone 3B5

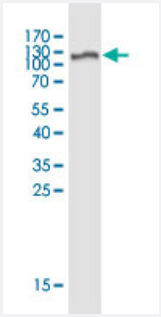
Catalog # H00002346-M02 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FOLH1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (107 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant FOLH1.
Immunogen	FOLH1 (NP_001014986.1, 1 a.a. ~ 719 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

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Sequence	MWNLLHETDSAVATARRPRWLCAGALVLAGGFFLLGFLFGWFIKSSNEATNITPKHNMKAFLDEL KAENIKKFLYNFTQIPHLAGTEQNFQLAKQIQSQWKEFGLDSVELAHYDVLLSYPNKTHPNYISIINE DGNEIFNTSLFEPPPPGYENVSDIVPPFSAFSPQGMPEGDLVYVNYARTEDFFKLERDMKINCSG KIVIARYGKVFRGNKVKNAQLAGAKGVILYSDPADYFAPGVKSYPDGWNLPGGGVQRGNILNLNG AGDPLTPGYPANEYAYRRGIAEAVGLPSIPVHPIGYYDAQKLLEKMGGSAPPDSSWRGSLKVPYN VGPGFTGNFSTQKVKMHIHSTNEVTRIYNVIGTLRGAVEPDRYVILGGHRDSWVFGGIDPQSGAAV VHEIVRSFGTLKKEGWRPRRTILFASWDAEEFGLLGSTEWAEENSRLLQERGVAYINADSSIEGNY TLRVDCTPLMYSLVHNLTKELKSPDEGFEGKSLYESWTKKSPSPEFSGMPRISKLGSGNDFEVF FQRLGIASGRARYTKNWETNKFSGYPLYHSVYETYELVEKFYDPMFKYHLTVAQVRGGMVFELAN SIVLPFDCRDYAVVLRKYADKIYSISMKHPQEMKTYSVSFDSLFSAVKNFTEIASKFSERLQDFDKS NPVIYAPSSHNKYAGESFPGIYDALFDIESKVDPSKAWGEVKRQIYVAAFTVQAAAETLSEVA
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (107 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged FOLH1 is 0.3 ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — FOLH1

Entrez GeneID	2346
GeneBank Accession#	NM_001014986.1
Protein Accession#	NP_001014986.1

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Gene Name	FOLH1
Gene Alias	FGCP, FOLH, GCP2, GCPII, NAALAD1, NAALAdase, PSM, PSMA, mGCP
Gene Description	folate hydrolase (prostate-specific membrane antigen) 1
Omim ID	600934
Gene Ontology	Hyperlink
Gene Summary	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 th e nutrient folate and the neuropeptide N-acetyl-l-aspartyl-l-glutamate and is expressed in a numbe r 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 blo od folate levels and consequent hyperhomocysteinemia. Expression of this protein in the brain ma y be involved in a number of pathological conditions associated with glutamate excitotoxicity. In th e prostate the protein is up-regulated in cancerous cells and is used as an effective diagnostic an d prognostic indicator of prostate cancer. This gene likely arose from a duplication event of a near by chromosomal region. Alternative splicing gives rise to multiple transcript variants. [provided by RefSeq
Other Designations	N-acetylated alpha-linked acidic dipeptidase 1|cell growth-inhibiting protein 27|folate hydrolase 1|f olyl|poly-gamma-glutamate carboxypeptidase|glutamate carboxylase II|glutamate carboxypeptidas e II|membrane glutamate carboxypeptidase|prostate specific mem

Disease

- Aortic Aneurysm
- Atherosclerosis
- Brain Ischemia
- Cardiovascular Diseases
- Chromosome Aberrations
- Cleft Lip
- Cleft Palate
- Cognition
- Colorectal Neoplasms
- Coronary Disease
- Diabetes Mellitus

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- DNA Damage
- Edema
- Genetic Predisposition to Disease
- Hyperhomocysteinemia
- Hypertension
- Kidney Failure
- Micronuclei
- Neural Tube Defects
- Phenylketonuria
- Phenylketonurias
- Prostate cancer
- Prostatic Neoplasms
- Spinal Dysraphism
- Stomach Neoplasms
- Stroke
- Tobacco Use Disorder
- Vitamin B Deficiency

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