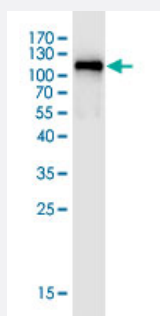


FOLH1 monoclonal antibody (M03), clone 4B6

Catalog # H00002346-M03

Size 100 ug

Applications



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.

Sequence

MWNLLHETDSAVATARRPRWLCAGALVLAGGFFLLGFLFGWFIKSSNEATNITPKHNMKAFLDEL
KAENIKKFLYNFTQIPHLAGTEQNFQLAKQIQSQWKEFGLDSVELAHYDVLLSYPNKTHPNYSIINE
DGNEIFNTSLFEPPPPGYENVSDMPPPSAFSPQGMPEGDLVYVNYARTEDFFKLERDMKINCSG
KVIARYGKVFRGNKVKNALAGAKGVILYSDPADYFAPGVKSYPDGWNLPGGGVQRGNILNLNG
AGDPLTPGYANEYAYRRGIAEAVGLPSIPVHPIGYYDAQKLEKMGGSAPPDSSWRGSLKVPYN
VGPGFTGNFSTQKVKMHIHSTNEVTRINNVIGTLRGAVEPDRYVILGGHRDSWVFGGIDPQSGAAV
VHEIVRSFGTLKKEGWRPRRTILFASWDAEEFLLGSTEWAEENSRLQERGVAYINADSSIEGNY
TLRVDCTPLMYSLVHNLTKELKSPDEGFEGKSLYESWTKKSPSPEFSGMPRISKLGSGNDFEVF
FQRLGIASGRARYTKNWETNKFSGYPLYHSVYETYELVEKFYDPMFKYHLTVAQVRGGMVFEAN
SIVLPFDCRDYAVVLRKYADKIYSISMKHPQEMKTSVSFDSLFSAVKNFTEIASKFSERLQDFDKS
KHVIYAPSSHKNKYAGESFPGYDALFDIESKVDPSKAWGEVKRQIVAAFTVQAAAETLSEVA

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](#)

- ELISA

Gene Info — FOLH1

Entrez GeneID

[2346](#)

GeneBank Accession#

[NM_001014986.1](#)

Protein Accession#

[NP_001014986.1](#)

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 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 diagnostic and 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. [provided by RefSeq]

Other Designations

N-acetylated alpha-linked acidic dipeptidase 1|cell growth-inhibiting protein 27|folate hydrolase 1|folylpoly-gamma-glutamate carboxypeptidase|glutamate carboxylase II|glutamate carboxypeptidase 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](#)
- [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](#)