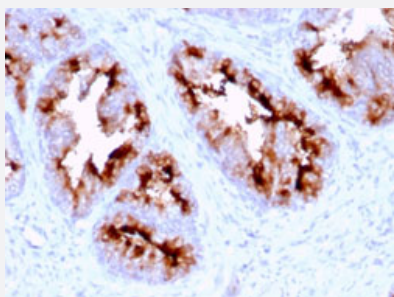


FOLH1 monoclonal antibody, clone FOLH1/2363

Catalog # MAB20981 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate cancer with FOLH1 monoclonal antibody, clone FOLH1/2363 (Cat # MAB20981).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human FOLH1.
Immunogen	Recombinant protein corresponding to amino acids 232-433 of human FOLH1.
Host	Mouse
Theoretical MW (kDa)	100
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b, kappa
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 2 to 8°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate cancer with FOLH1 monoclonal antibody, clone FOLH1/2363 (Cat # MAB20981).

Gene Info — FOLH1

Entrez GeneID [2346](#)

Protein Accession# [Q04609](#)

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](#)
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- [Hyperhomocysteinemia](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Micronuclei](#)
- [Neural Tube Defects](#)
- [Phenylketonuria](#)
- [Phenylketonurias](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)

- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
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