

FOLH1 monoclonal antibody, clone Y-PSMA2

Catalog # MAB6366

Size 500 ug

Specification

Product Description	Mouse monoclonal antibody raised against native FOLH1.
Immunogen	Native purified human prostate malignant carcinoma FOLH1 from China.
Host	Mouse
Reactivity	Human
Specificity	This antibody is reactive to PSMA expressed LNCap cell lines.
Form	Lyophilized
Purification	Protein G purification
Isotype	IgG2b, kappa
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunohistochemistry (Frozen sections) Indirect ELISA The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 10 mM PBS, pH 7.0
Storage Instruction	Store at -20°C. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Enzyme-linked Immunoabsorbent Assay

Gene Info — FOLH1

Entrez GeneID [2346](#)

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 III|membrane glutamate carboxypeptidase|prostate specific mem

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