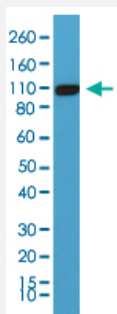


RecomAb™

# FOLH1 monoclonal antibody, clone RM327

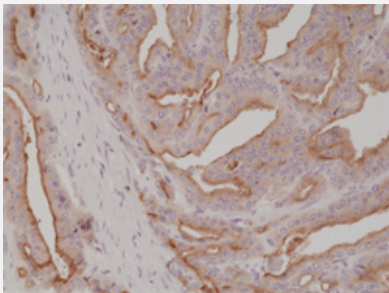
Catalog # MAB21971      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of LNCaP cell lysate.



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

Immunohistochemical staining of human prostate cancer.

## Specification

|                            |                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit recombinant monoclonal antibody raised against human FOLH1.                                   |
| <b>Antibody Species</b>    | Rabbit                                                                                               |
| <b>Immunogen</b>           | Original antibody is raised against a synthetic peptide corresponding to C-terminus of human FOLH 1. |
| <b>Reactivity</b>          | Human                                                                                                |
| <b>Specificity</b>         | This antibody reacts to human PSMA (Prostate-specific membrane antigen).                             |
| <b>Form</b>                | Liquid                                                                                               |

|                     |                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purification        | Protein A purification                                                                                                                                                                |
| Isotype             | IgG                                                                                                                                                                                   |
| Recommend Usage     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1000)<br>Western Blot (1:1000-2000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)                                                                                                                                     |
| Storage Instruction | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                                                    |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                |

## Applications

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## Gene Info — FOLH1

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Entrez GeneID    | <a href="#">2346</a>                                         |
| 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          | <a href="#">600934</a>                                       |
| Gene Ontology    | <a href="#">Hyperlink</a>                                    |

**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|folypoly-gamma-glutamate carboxypeptidase|glutamate carboxylase II|glutamate carboxypeptidase III|membrane glutamate carboxypeptidase|prostate specific mem

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