

# Product Information

## Recombinant Anti-Human FOLH1 Antibody

Cat. No.: **MOM-18018**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Mouse Antibody is bind to Human PMSA, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen Description

Has both folate hydrolase and N-acetylated-alpha-linked-acidic dipeptidase (NAALADase) activity. Has a preference for tri-alpha-glutamate peptides. In the intestine, required for the uptake of folate. In the brain, modulates excitatory neurotransmission through the hydrolysis of the neuropeptide, N-acetylserine glutamate (NAAG), thereby releasing glutamate. Isoform PSM-4 and isoform PSM-5 would appear to be physiologically irrelevant. Involved in prostate tumor progression. Also exhibits a dipeptidyl-peptidase IV type activity. In vitro, cleaves Gly-Pro-AMC.

### Specific Activity

Tested positive against native antigen.

### Target

PMSA

### Immunogen

The details of the immunogen for this antibody are not available.

### Source

Mouse

### Species Reactivity

Human

### Type

Mouse IgG1 - kappa

### Expression Host

CHO

### Purity

>95.0% as determined by Analysis by RP-HPLC & analysis by SDS-PAGE.

### Applications

Suitable for use in ELISA, FC, IP, FuncS, IF, Neut, WB and most other immunological methods.

### Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

## ANTIGEN GENE INFORMATION

**Gene Name**

[FOLH1 folate hydrolase \(prostate-specific membrane antigen\) 1 \[ Homo sapiens \]](#)

**Official Symbol**

FOLH1

**Synonyms**

FOLH1; folate hydrolase (prostate-specific membrane antigen) 1; FOLH; glutamate carboxypeptidase 2; GCP2; GCP2II; glutamate carboxylase II; glutamate carboxypeptidase II; NAALAD1; NAALADase; PSM; PSMA; NAALADase I; membrane glutamate carboxypeptidase; cell growth-inhibiting gene 27 protein; folylpoly-gamma-glutamate carboxypeptidase; prostate specific membrane antigen variant F; pteroylpoly-gamma-glutamate carboxypeptidase; N-acetylated alpha-linked acidic dipeptidase 1; N-acetylated-alpha-linked acidic dipeptidase I; FGCP; mGCP;

**Gene ID**

[2346](#)

**mRNA Refseq**

[NM\\_001014986](#)

**Protein Refseq**

[NP\\_001014986](#)

**MIM**

[600934](#)

**UniProt ID**

Q04609

**Chromosome Location**

11p11.2

**Pathway**

One Carbon Metabolism, organism-specific biosystem; Vitamin digestion and absorption, organism-specific biosystem; Vitamin digestion and absorption, conserved biosystem;

**Function**

carboxypeptidase activity; dipeptidase activity; metal ion binding; metallopeptidase activity; peptidase activity;