

A22212

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# PSMA/FOLH1 Rabbit mAb

Catalog No.: A22212 **Recombinant**

## Basic Information

### Observed MW

100kDa

### Calculated MW

84kDa

### Category

SMab Recombinant Monoclonal Antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC56326

## Background

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 encoding several different isoforms.

## Recommended Dilutions

WB 1:2000 - 1:20000

## Immunogen Information

### Gene ID

2346

### Swiss Prot

Q04609

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 50-150 of human PSMA/FOLH1 (NP\_004467.1).

### Synonyms

PSM; FGCP; FOLH; GCP2; PSMA; mGCP; GCPII; NAALAD1; PSMA/FOLH1

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

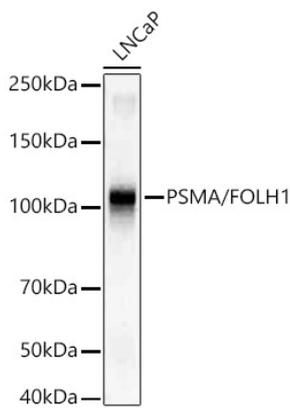
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of LNCaP, using PSMA/FOLH1 antibody (A22212) at 1:20000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:2000000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.

Western blot analysis of various lysates, using PSMA/FOLH1 antibody (A22212) at 1:20000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:2000000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 30s.

