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## FOLH1 Mouse mAb

Catalog Number: bsm-33864M

Target Protein: FOLH1

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:400-800), IF (1:100-500)

Reactivity: (predicted:Human, Mouse, Rat)

Predicted MW: 84 kDa

Entrez Gene: 2346

Swiss Prot: Q04609

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** PMSA (FOLH1) is a type II transmembrane glycoprotein belonging to the M28 peptidase family. Three functionally distinct proteins are encoded, including folylpoly-gamma-glutamate carboxypeptidase in the intestine, N-acetylated alpha-linked acidic dipeptidase 1 in the brain, and prostate-specific membrane antigen in the prostate. A mutation in the intestinal form may be associated with impaired intestinal absorption of dietary folates, resulting in low blood folate levels and consequent hyperhomocysteinemia. The form expressed in the brain may be involved in a number of pathological conditions associated with glutamate excitotoxicity. The prostate form 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. Subunit : Homodimer.