

Anti-FOLH1 / PSMA Antibody (aa44-750, clone GCP-04)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17759**Specification**

Anti-FOLH1 / PSMA Antibody (aa44-750, clone GCP-04) - Product Information

Application	WB, IHC-P
Primary Accession	Q04609
Predicted	Human, Rat, Pig
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	84331

Anti-FOLH1 / PSMA Antibody (aa44-750, clone GCP-04) - Additional Information**Gene ID 2346**Alias Symbol **FOLH1****Other Names**

FOLH1, Folate hydrolase 1, GCP11, Glutamate carboxypeptidase II, Folate hydrolase, GCP2, NAALAD1, NAALADase, NAALADase I, PSM, FGCP, FOLH, Glutamate carboxylase II, Glutamate carboxypeptidase 2, MGCP, PSMA

Target/Specificity

Recognizes Prostate Specific Membrane Antigen. Species cross-reactivity: Human, rat and porcine.

Reconstitution & Storage

Protein A purified

Precautions

Anti-FOLH1 / PSMA Antibody (aa44-750, clone GCP-04) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-FOLH1 / PSMA Antibody (aa44-750, clone GCP-04) - Protein Information**Name** FOLH1 ([HGNC:3788](#))**Synonyms** FOLH, NAALAD1, PSM, PSMA**Function**

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-aceylaspartylglutamate (NAAG), thereby releasing glutamate. Involved in prostate tumor progression.

Cellular Location

Cell membrane; Single-pass type II membrane protein

Tissue Location

Highly expressed in prostate epithelium. Detected in urinary bladder, kidney, testis, ovary, fallopian tube, breast, adrenal gland, liver, esophagus, stomach, small intestine, colon and brain (at protein level). Detected in the small intestine, brain, kidney, liver, spleen, colon, trachea, spinal cord and the capillary endothelium of a variety of tumors. Expressed specifically in jejunum brush border membranes. In the brain, highly expressed in the ventral striatum and brain stem. Also expressed in fetal liver and kidney Isoform PSMA' is the most abundant form in normal prostate. Isoform PSMA-1 is the most abundant form in primary prostate tumors. Isoform PSMA-9 is specifically expressed in prostate cancer

Anti-FOLH1 / PSMA Antibody (aa44-750, clone GCP-04) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-FOLH1 / PSMA Antibody (aa44-750, clone GCP-04) - Images