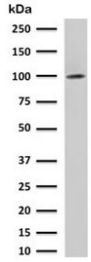
FOLH1 Antibody / PSMA [clone GCP2-1] (V7639)

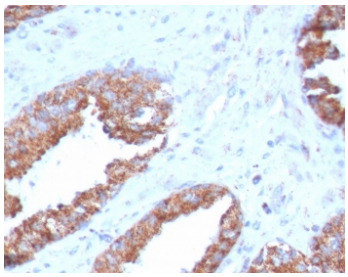
Catalog No.	Formulation	Size
V7639-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7639-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7639SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	GCP2-1
Purity	Protein G affinity chromatography
UniProt	Q04609
Localization	Cytoplasmic, cell surface
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This FOLH1 antibody is available for research use only.



Western blot testing of human LNCaP cell lysate with FOLH1 antibody. Predicted molecular weight ~100 kDa.



IHC testing of FFPE human prostate carcinoma with FOLH1 antibody. Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

Description

Folate hydrolase 1 (FOLH1), also known as Prostate-specific membrane antigen (PSMA), 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. [UniProt]

Researchers studying prostate cancer biology, PSMA-associated signaling, and folate metabolism pathways may also be interested in our FOLH1 Antibody / Prostate Cancer and PSMA Marker page featuring validated immunohistochemistry, western blot, and protein microarray specificity data for prostate cancer research.

Application Notes

The stated application concentrations are suggested starting points. Titration of the FOLH1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 232-433 from the human protein was used as the immunogen for this FOLH1 antibody.

Storage

Store the FOLH1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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