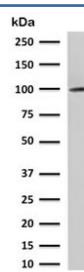


## FOLH1 Antibody / PSMA [clone GCP2-1] (V7639)

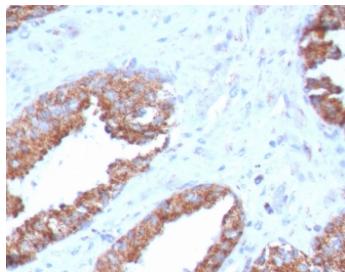
Catalog No.	Formulation	Size
V7639-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7639-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7639SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### 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-acetylaspaspartylglutamate (NAAG), thereby releasing glutamate. Involved in prostate tumor progression. [UniProt]

## 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 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).