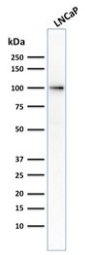
FOLH1 Antibody / Folate Hydrolase 1 [clone FOLH1/2354] (V7781)

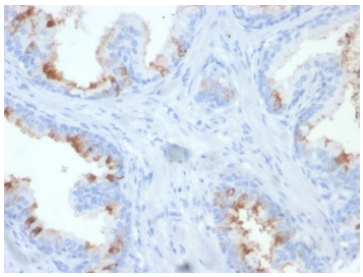
Catalog No.	Formulation	Size
V7781-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7781-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7781SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

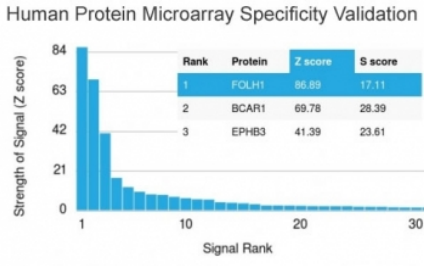
Availability	1-3 business days
Species Reactivity	Human, Cat, Dog, Horse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	FOLH1/2354
Purity	Protein G affinity chromatography
UniProt	Q04609
Localization	Cytoplasmic, cell surface
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This FOLH1 antibody is available for research use only.



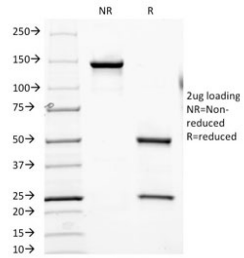
Western blot testing of human LNCaP cell lysate with FOLH1 antibody (clone FOLH1/2354). Predicted molecular weight ~100 kDa.



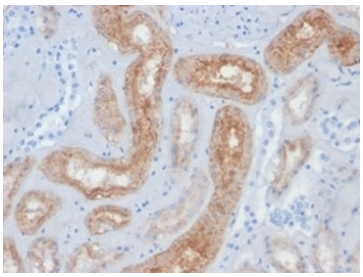
IHC testing of FFPE human prostate carcinoma with FOLH1 antibody (clone FOLH1/2354). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



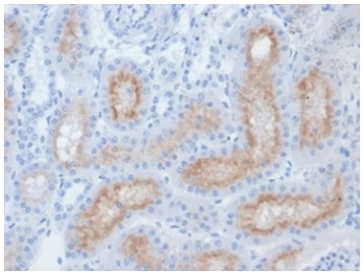
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using FOLH1 antibody. These results demonstrate the foremost specificity of the FOLH1/2354 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



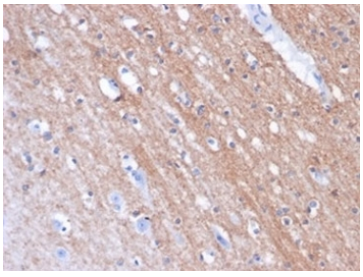
SDS-PAGE analysis of purified, BSA-free FOLH1 antibody as confirmation of integrity and purity.



FOLH1 Antibody Dog Kidney IHC. Immunohistochemistry testing of FFPE dog kidney tissue with FOLH1 antibody (clone FOLH1/2354). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



FOLH1 Antibody Cat Kidney IHC. Immunohistochemistry testing of FFPE cat kidney tissue with FOLH1 antibody (clone FOLH1/2354). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



FOLH1 Antibody Horse Brain IHC. Immunohistochemistry testing of FFPE horse brain tissue with FOLH1 antibody (clone FOLH1/2354). 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), is a type II transmembrane glycoprotein belonging to the M28 peptidase family. FOLH1 has two enzymatic activities, one as a prostate-specific integral membrane folate hydrolase and the other as a carboxypeptidase In the prostate the protein is up-regulated in cancerous cells and is used as an effective diagnostic and prognostic indicator of prostate cancer.

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

Optimal dilution of the FOLH1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 232-433 from the human protein were 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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