

Basic Information

Product Name	Anti-PSMA/GCPII/FOLH1 Antibody (Clone#OTI2E1)		
Gene Name	FOLH1		
Source	Mouse		
Clonality	Monoclonal		
Isotype	IgG2b		
Species Reactivity	human, mouse, rat, dog, monkey		
Tested Application	WB, ICC/IF		
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.		
Immunogen	Full length human recombinant protein of human FOLH1(NP_004467) produced in HEK293T cell.		
Concentration	500 ug/ml		
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)		
Observed MW	84.2 kDa		
Dilution Ratios	Western blot (WB): 1:500~2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:100		

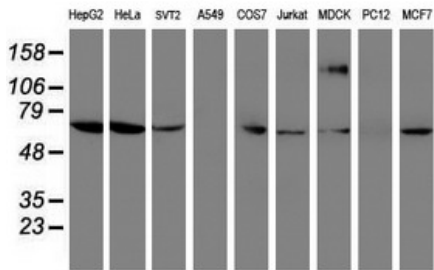
Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

This gene encodes a type II transmembrane glycoprotein belonging to the M28 peptidase family. The protein acts as a glutamate carboxypeptidase on different alternative substrates, including the nutrient folate and the neuropeptide N-acetyl-L-aspartyl-L-glutamate and is expressed in a number of tissues such as prostate, central and peripheral nervous system and kidney. A mutation in this gene may be associated with impaired intestinal absorption of dietary folates, resulting in low blood folate levels and consequent hyperhomocysteinemia. Expression of this protein in the brain may be involved in a number of pathological conditions associated with glutamate excitotoxicity. In the prostate the protein 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 encoding several different isoforms. [provided by RefSeq]

Selected Validation Data



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-FOLH1 monoclonal antibody.