

PSMA/FOLH1 Polyclonal Antibody

catalog number: **E-AB-91793**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

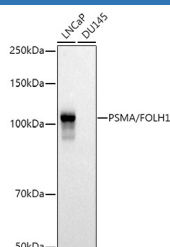
Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human PSMA/FOLH1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

WB	1:500-1:2000
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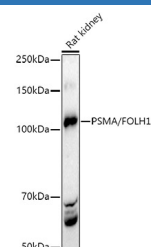
Data



Western blot analysis of extracts of various cell lines using PSMA/FOLH1 Polyclonal Antibody at 1:500 dilution.

Observed-MV:105 kDa

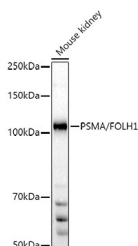
Calculated-MV:9 kDa/12 kDa/50 kDa/78 kDa/80 kDa/82 kDa/84 kDa



Western blot analysis of extracts of Rat kidney using PSMA/FOLH1 Polyclonal Antibody at 1:500 dilution.

Observed-MV:105 kDa

Calculated-MV:9 kDa/12 kDa/50 kDa/78 kDa/80 kDa/82 kDa/84 kDa



Western blot analysis of extracts of Mouse kidney using PSMA/FOLH1 Polyclonal Antibody at 1:500 dilution.

Observed-MV:105 kDa

Calculated-MV:9 kDa/12 kDa/50 kDa/78 kDa/80 kDa/82 kDa/84 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

For Research Use Only

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, Jul 2010]

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