



Rabbit Anti-Folate Receptor alpha antibody

SL7370R

Product Name:	Folate Receptor alpha
Chinese Name:	叶酸受体 α / α -FR 抗体
Alias:	adult; Adult folate binding protein; Adult folate-binding protein; FBP; Folate Receptor 1 Adult; Folate receptor 1; Folate Receptor 1 Precursor; Folate receptor adult; Folate receptor alpha; Folate receptor; FOLR; FOLR1; FOLR1_HUMAN; FR alpha; FR-alpha; FRalpha; KB cells FBP; MOV18; Ovarian cancer associated antigen; Ovarian tumor associated antigen; Ovarian tumor associated antigen MOv18; Ovarian tumor-associated antigen MOv18.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Rat,Cow,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	27kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Folate Receptor alpha:1-100/257
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is a member of the folate receptor family. Members of

this gene family bind folic acid and its reduced derivatives, and transport 5-methyltetrahydrofolate into cells. This gene product is a secreted protein that either anchors to membranes via a glycosyl-phosphatidylinositol linkage or exists in a soluble form. Mutations in this gene have been associated with neurodegeneration due to cerebral folate transport deficiency. Due to the presence of two promoters, multiple transcription start sites, and alternative splicing, multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Oct 2009]

Function:

Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate to the interior of cells.

Subcellular Location:

Cell membrane. Secreted.

Tissue Specificity:

Exclusively expressed in tissues of epithelial origin. Expression is increased in malignant tissues. Expressed in kidney, lung and cerebellum.

Post-translational modifications:

Eight disulfide bonds are present.

The secreted form is derived from the membrane-bound form either by cleavage of the GPI anchor, or/and by proteolysis catalyzed by a metalloprotease.

DISEASE:

Defects in FOLR1 are the cause of neurodegeneration due to cerebral folate transport deficiency (NCFTD) [MIM:613068]. NCFTD is an autosomal recessive disorder resulting from brain-specific folate deficiency early in life. Onset is apparent in late infancy with severe developmental regression, movement disturbances, epilepsy, and leukodystrophy. Note=Recognition and diagnosis of this disorder is critical because folinic acid therapy can reverse the clinical symptoms and improve brain abnormalities and function.

Similarity:

Belongs to the folate receptor family.

SWISS:


P15328

Gene ID:

2348

Database links:

[Entrez Gene: 2348](#) Human

	<p>Omim: 136430 Human</p> <p>SwissProt: P15328 Human</p> <p>Unigene: 73769 Human</p> <p>Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.</p>
<p>Picture:</p>	<p data-bbox="966 640 1023 703"></p> <p data-bbox="456 730 1533 1136">Paraformaldehyde-fixed, paraffin embedded (Human kidney tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Folate Receptor alpha) Polyclonal Antibody, Unconjugated (SL7370R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.</p>