Product Name: FR-α Rabbit Polyclonal Antibody
Catalog #: APRab11161

Summary

Production Name	FR-α Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	FOLR1
Alternative Names	FOLR1; FOLR; Folate receptor alpha; FR-alpha; Adult folate-binding protein; FBP; Folate receptor 1; Folate receptor; adult; KB cells FBP; Ovarian tumor-associated antigen MOv18
Gene ID	2348.0
SwissProt ID	P15328.The antiserum was produced against synthesized peptide derived from human FOLR1. AA range:41-90

Application

Dilution Ratio	WB 1:500-1:2000, ELISA 1:5000.Not yet tested in other applications.
Molecular Weight	34kDa

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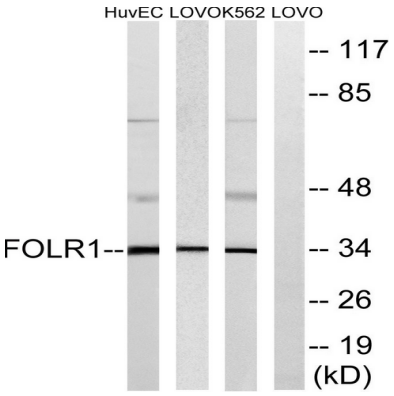
Background

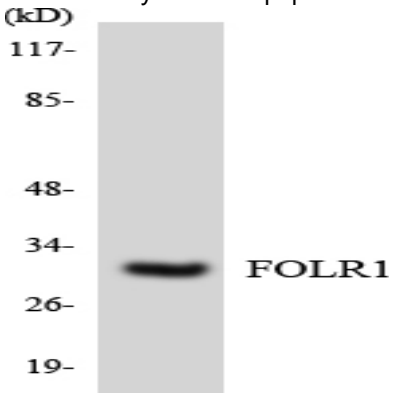
The protein encoded by this gene is a member of the folate receptor family. Members of this gene family bind folic acid and its reduced derivatives, and transport 5-methyltetrahydrofolate into cells. This gene product is a secreted protein that either anchors to membranes via a glycosyl-phosphatidylinositol 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.,PTM:Eight disulfide bonds are present.,PTM: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.,similarity:Belongs to the folate receptor family.,tissue specificity:Exclusively expressed in tissues of epithelial origin. Expression is increased in malignant tissues. Expressed in kidney, lung and cerebellum.,

Research Area

Image Data



Western blot analysis of lysates from K562, LOVO, and HUVEC cells, using FOLR1 Antibody. The lane on the right is blocked with the synthesized peptide.



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Western blot analysis of the lysates from HepG2 cells using FOLR1 antibody.

Note

For research use only.