

# FOLR1 antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22431a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P15328</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit Ig
<b>Clone Names</b>	R03821
<b>Calculated MW</b>	29819

## Additional Information

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<b>Gene ID</b>	2348
<b>Other Names</b>	Folate receptor alpha, FR-alpha, Adult folate-binding protein, FBP, Folate receptor 1, Folate receptor, adult, KB cells FBP, Ovarian tumor-associated antigen MOV18, FOLR1, FOLR
<b>Target/Specificity</b>	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.
<b>Dilution</b>	WB~~1:2000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	FOLR1 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	FOLR1
<b>Synonyms</b>	FOLR
<b>Function</b>	Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells (PubMed: <a href="#">19074442</a> , PubMed: <a href="#">23851396</a> , PubMed: <a href="#">23934049</a> ,

PubMed:[2527252](#), PubMed:[8033114](#), PubMed:[8567728](#)). Has high affinity for folate and folic acid analogs at neutral pH (PubMed:[23851396](#), PubMed:[23934049](#), PubMed:[2527252](#), PubMed:[8033114](#), PubMed:[8567728](#)). Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release (PubMed:[8567728](#)). Required for normal embryonic development and normal cell proliferation (By similarity).

## Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor Apical cell membrane; Lipid-anchor, GPI- anchor Basolateral cell membrane; Lipid-anchor, GPI-like-anchor. Secreted Cytoplasmic vesicle. Cytoplasmic vesicle, clathrin-coated vesicle. Endosome. Note=Endocytosed into cytoplasmic vesicles and then recycled to the cell membrane

## Tissue Location

Primarily expressed in tissues of epithelial origin. Expression is increased in malignant tissues. Expressed in kidney, lung and cerebellum. Detected in placenta and thymus epithelium.

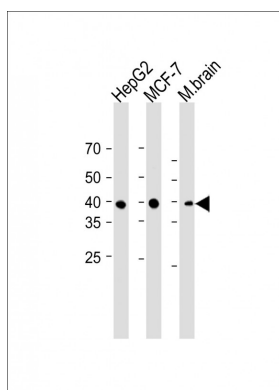
## Background

Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells (PubMed:[23851396](#), PubMed:[23934049](#), PubMed:[2527252](#), PubMed:[8033114](#), PubMed:[8567728](#), PubMed:[19074442](#)). Has high affinity for folate and folic acid analogs at neutral pH (PubMed:[23851396](#), PubMed:[23934049](#), PubMed:[2527252](#), PubMed:[8033114](#), PubMed:[8567728](#)). Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release (PubMed:[8567728](#)). Required for normal embryonic development and normal cell proliferation (By similarity).

## References

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Lacey S.W.,et al.J. Clin. Invest. 84:715-720(1989).  
Campbell I.G.,et al.Cancer Res. 51:5329-5338(1991).  
Coney L.R.,et al.Cancer Res. 51:6125-6132(1991).  
Sadasivan E.,et al.Biochim. Biophys. Acta 1131:91-94(1992).

## Images



All lanes: Anti-FOLR1 antibody at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: Mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 40 KDa Blocking/Dilution buffer: 5% NFDm/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.