

**FOLR1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50196****Specification**

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**FOLR1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P15328</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30 KDa
Antigen Region	61-89

**FOLR1 Antibody - Additional Information****Gene ID** 2348**Other Names**

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

**Dilution**

WB~~ 1:1000

**Format**

Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

**Storage Conditions**

-20°C

**FOLR1 Antibody - Protein Information****Name** FOLR1**Synonyms** FOLR**Function**

Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells (PubMed:[19074442](http://www.uniprot.org/citations/19074442), PubMed:[23851396](http://www.uniprot.org/citations/23851396), PubMed:[23934049](http://www.uniprot.org/citations/23934049), PubMed:[2527252](http://www.uniprot.org/citations/2527252), PubMed:[8033114](http://www.uniprot.org/citations/8033114), PubMed:[8567728](http://www.uniprot.org/citations/8567728)). Has high affinity for folate and folic acid analogs at neutral pH (PubMed:[8567728](http://www.uniprot.org/citations/8567728)).

href="http://www.uniprot.org/citations/23851396" target="\_blank">23851396</a>, PubMed:<a href="http://www.uniprot.org/citations/23934049" target="\_blank">23934049</a>, PubMed:<a href="http://www.uniprot.org/citations/2527252" target="\_blank">2527252</a>, PubMed:<a href="http://www.uniprot.org/citations/8033114" target="\_blank">8033114</a>, PubMed:<a href="http://www.uniprot.org/citations/8567728" target="\_blank">8567728</a>). Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release (PubMed:<a href="http://www.uniprot.org/citations/8567728" target="\_blank">8567728</a>). 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

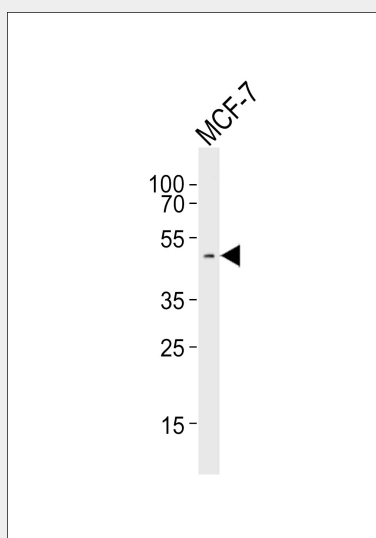
Primarily expressed in tissues of epithelial origin. Expression is increased in malignant tissues. Expressed in kidney, lung and cerebellum. Detected in placenta and thymus epithelium.

#### FOLR1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### FOLR1 Antibody - Images



Western blot analysis of lysate from MCF-7 cell line, using FOLR1 Antibody (C15761). C15761 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary

antibody.Lysate at 35ug.

### **FOLR1 Antibody - Background**

Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. Has high affinity for folate and folic acid analogs at neutral pH. Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release. Required for normal embryonic development and normal cell proliferation.

### **FOLR1 Antibody - References**

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Coney L.R.,et al.Cancer Res. 51:6125-6132(1991).  
Sadasivan E.,et al.Biochim. Biophys. Acta 1131:91-94(1992).