

# FOLR1 Antibody

Rabbit mAb Catalog # AP91419

## **Product Information**

Application WB Primary Accession P15328

Reactivity Rat, Human, Mouse

**Clonality** Monoclonal

Other Names Adult folate binding protein; FBP; Folate receptor 1; Folate Receptor 1

Precursor; Folate receptor alpha; FOLR1; FR alpha; KB cells FBP;

IsotypeRabbit IgGHostRabbitCalculated MW29819

### **Additional Information**

**Dilution** WB 1:500~1:2000 **Purification** Affinity-chromatography

**Immunogen** A synthesized peptide derived from human FOLR1

**Description**Binds to folate and reduced folic acid derivatives and mediates delivery of

5-methyltetrahydrofolate to the interior of cells.

**Storage Condition and Buffer** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

# **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, PubMed: 23851396, PubMed: 23934049,

PubMed: 2527252, PubMed: 8033114, PubMed: 8567728). Has high affinity for

folate and folic acid analogs at neutral pH (PubMed:23851396,

PubMed:<u>23934049</u>, PubMed:<u>2527252</u>, PubMed:<u>8033114</u>, PubMed:<u>8567728</u>).

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).

**Cell ular Location** Cell membrane; Lipid-anchor, GPI-anchor Apical cell membrane; Lipid-anchor,

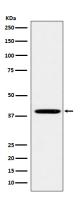
GPI- anchor Basolateral cell membrane; Lipid-anchor, GPI-like-anchor. Secreted Cytoplasmic vesicle. Cytoplasmic vesicle, clathrin-coated vesicle.

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.

# **Images**



Western blot analysis of FOLR1 expression in HEK293 cell lysate.

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