

Anti-FR alpha Antibody

Rabbit polyclonal antibody to FR alpha

Catalog # AP59557

Product Information

Application	WB, IP
Primary Accession	P15328
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29819

Additional Information

Gene ID	2348
Other Names	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
Target/Specificity	Recognizes endogenous levels of FR alpha protein.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IP~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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: 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

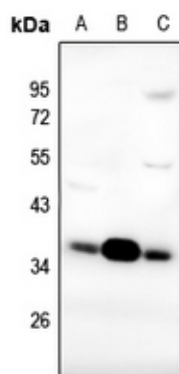
Tissue Location

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

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FR alpha. The exact sequence is proprietary.

Images



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