

# FOLR1

Purified Mouse Monoclonal Antibody  
Catalog # AO2725a

## Product Information

---

<b>Application</b>	WB, IHC, ICC, E
<b>Primary Accession</b>	<a href="#">P15328</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	3G12B7
<b>Isotype</b>	Mouse IgG1
<b>Calculated MW</b>	29819
<b>Immunogen</b>	Purified recombinant fragment of human FOLR1 (AA: 41-227) expressed in E. Coli.
<b>Formulation</b>	Purified antibody in PBS with 0.05% sodium azide

## Additional Information

---

<b>Gene ID</b>	2348
<b>Other Names</b>	FBP; FOLR
<b>Dilution</b>	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	FOLR1 is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<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: <a href="#">2527252</a> , PubMed: <a href="#">8033114</a> , PubMed: <a href="#">8567728</a> ). Has high affinity for folate and folic acid analogs at neutral pH (PubMed: <a href="#">23851396</a> , PubMed: <a href="#">23934049</a> , PubMed: <a href="#">2527252</a> , PubMed: <a href="#">8033114</a> , PubMed: <a href="#">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:[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.

## References

1.Biosens Bioelectron. 2016 Apr 15;78:147-53.2.PLoS One. 2015 Mar 27;10(3):e0122209.

## Images

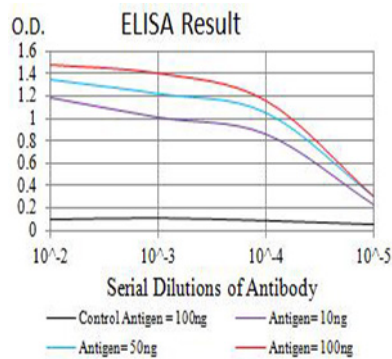


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

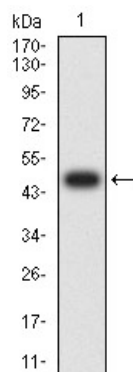


Figure 2:Western blot analysis using FOLR1 mAb against human FOLR1 (AA: 41-227) recombinant protein. (Expected MW is 48 kDa)

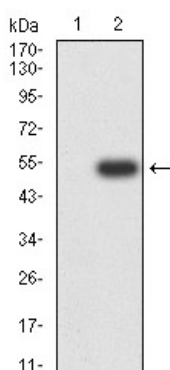


Figure 3:Western blot analysis using FOLR1 mAb against HEK293 (1) and FOLR1 (AA: 41-227)-hIgGfC transfected HEK293 (2) cell lysate.

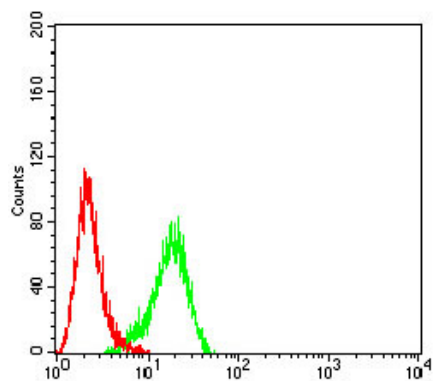


Figure 4:Flow cytometric analysis of Hela cells using FOLR1 mouse mAb (green) and negative control (red).

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