

FOLR2 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8660b

Specification

FOLR2 Antibody - Product Information

Application WB,E
Primary Accession P14207
Reactivity Human
Host Mouse
Clonality monoclonal
Isotype IgG2b,K
Calculated MW 29280

FOLR2 Antibody - Additional Information

Gene ID 2350

Other Names

Folate receptor beta, FR-beta, Folate receptor 2, Folate receptor, fetal/placental, Placental folate-binding protein, FBP, FOLR2

Target/Specificity

This FOLR2 antibody is generated from a mouse immunized with a recombiant protein from human FOLR2.

Dilution

WB~~1:1000-1:2000

E~~Use at an assay dependent concentration.

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage

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.

Precautions

FOLR2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FOLR2 Antibody - Protein Information

Name FOLR2

Function 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

Cellular Location

release.

Cell membrane; Lipid-anchor, GPI-anchor. Secreted

Tissue Location

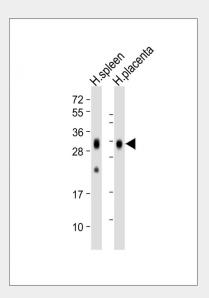
Expressed in placenta and hematopoietic cells. Expression is increased in malignant tissues

FOLR2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

FOLR2 Antibody - Images



All lanes : Anti-FOLR2 Antibody at 1:1000-1:2000 dilution Lane 1: Human spleen lysate Lane 2: Human placenta lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 29 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

FOLR2 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.

FOLR2 Antibody - References





Page S.T., et al.J. Mol. Biol. 229:1175-1183(1993). Ratnam M., et al. Biochemistry 28:8249-8254(1989). Sadasivan E., et al.J. Biol. Chem. 269:4725-4735(1994). Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases. Freisheim J.H., et al. Adv. Enzyme Regul. 29:13-26(1989).