

**FOLR2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP5032a****Specification**

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**FOLR2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P14207](#)**FOLR2 Antibody (N-term) Blocking Peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**FOLR2 Antibody (N-term) Blocking Peptide - 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 release.

**Cellular Location**

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

**Tissue Location**

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

**FOLR2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **FOLR2 Antibody (N-term) Blocking Peptide - Images**

### **FOLR2 Antibody (N-term) Blocking Peptide - Background**

FOLR2 is a member of the folate receptor (FOLR) family, and these genes exist in a cluster on chromosome 11. Members of this gene family have a high affinity for folic acid and for several reduced folic acid derivatives, and they mediate delivery of 5-methyltetrahydrofolate to the interior of cells. This protein has a 68% and 79% sequence homology with the FOLR1 and FOLR3 proteins, respectively. Although this protein was originally thought to be specific to placenta, it can also exist in other tissues, and it may play a role in the transport of methotrexate in synovial macrophages in rheumatoid arthritis patients.

### **FOLR2 Antibody (N-term) Blocking Peptide - References**

Puig-Kroger, A., et al. Cancer Res. 69(24):9395-9403(2009)Boyles, A.L., et al. Genet. Epidemiol. 33(3):247-255(2009)Franke, B., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 85(3):216-226(2009)