



SLC19A1 mouse mAb

Catalog No	YP-mAb-18162
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC19A1 FLOT1 RFC1
Immunogen	Synthesized peptide derived from human SLC19A1
Specificity	This antibody detects endogenous levels of SLC19A1 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CHMD;FLOT1;Folate transporter 1;FOLT;IFC 1;IFC1;Intestinal folate carrier 1; Placental folate transporter;Reduced folate carrier protein;REFC;RFC;RFC1; SLC19A1;SLC19A1 FLOT1 RFC1;Folate transporter 1 (FOLT) (Intestinal folate carrier 1) (IFC-1) (Placental folate transporter) (Reduced folate carrier protein) (RFC) (Solute carrier family 19 member 1)
Observed Band	46 kDa
Calculated Molecular Weight	591 aa, 65 kDa
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Apical cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Placenta, liver, and to a much smaller extent, in lung.
Function	Transporter that mediates the import of reduced folates and a subset of cyclic dinucleotides . Has high affinity for N5-methyltetrahydrofolate, the predominant circulating form of folate . Also able to mediate the import of antifolate drug methotrexate . Acts as an importer of immunoreactive cyclic dinucleotides, such as cyclic GMP-AMP (2'-3'-cGAMP), an immune messenger produced in response to DNA virus in the cytosol, and its linkage isomer 3'-3'-cGAMP . Mechanistically, acts as an antiporter, which export of intracellular organic



anions to facilitate uptake of its substrates . 5-amino-4-imidazolecarboxamide riboside (AICAR), when phosphorylated to AICAR monophosphate, can serve as an organic anion for antiporter activity .

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images