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Rabbit Anti-SLC19A1/AF350 Conjugated antibody

SL19802R-AF350

Product Name	Anti-SLC19A1/AF350
Chinese Name	AF350 标记的溶质载体家族蛋白 19 成员 A1 抗体
Alias	CHMD; FLOT 1; FLOT1; Folate transporter 1; FOLT; IFC 1; IFC-1; IFC1; Intestinal folate carrier 1; Intestinal folate carrier; OTTHUMP00000115459; OTTHUMP00000115460; Placental folate transporter; Reduced folate carrier; Reduced folate carrier protein; REFC; RFC 1; RFC; RFC1; S19A1_HUMAN; SLC19A1; Solute carrier family 19 member 1.
Research Area	Tumour Cell biology Signal transduction Transporter The cell membrane 蛋白
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	64kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human SLC19A1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** SLC19A1 (Solute Carrier Family 19 (Folate Transporter), Member 1) is a

Protein Coding gene. Diseases associated with SLC19A1 include placental choriocarcinoma and thiamine-responsive megaloblastic anemia syndrome. Among its related pathways are Cell Cycle, Mitotic and Metabolism. GO annotations related to this gene include oxidoreductase activity and folic acid transporter activity. An important paralog of this gene is SLC19A2.

Function:
Transporter for the intake of folate. Uptake of folate in human placental choriocarcinoma cells occurs by a novel mechanism called potocytosis which functionally couples three components, namely the folate receptor, the folate transporter, and a V-type H(+)-pump.

Subcellular Location:
Membrane.

Tissue Specificity:
Placenta, liver, and to a much smaller extent, in lung.

Post-translational modifications:
Heavily glycosylated.

Similarity:
Belongs to the reduced folate carrier (RFC) transporter (TC 2.A.48) family.

Database links:

Entrez Gene: 6573 Human

Entrez Gene: 29723 Rat

Omim: 600424 Human

SwissProt: P41440 Human

SwissProt: Q62866 Rat

Unigene: 84190 Human

Unigene: 9042 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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