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Rabbit Anti-SLC19A1 antibody

SL19802R

Product Name:	SLC19A1
Chinese Name:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	64kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC19A1:231-330/591<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% 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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

SWISS:
P41440

Gene ID:
6573

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.