

SLC19A2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54304**Specification****SLC19A2 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	O60779
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC19A2
Epitope Specificity	21-120/497
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane
SIMILARITY	Belongs to the reduced folate carrier (RFC) transporter (TC 2.A.48) family.
DISEASE	Defects in SLC19A2 are the cause of thiamine-responsive megaloblastic anemia syndrome (TRMA) [MIM:249270]; also known as Rogers syndrome. TRMA is an autosomal recessive disease with features that include megaloblastic anemia, mild thrombocytopenia and leucopenia, sensorineural deafness and diabetes mellitus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene encodes the thiamin transporter protein. Mutations in this gene cause thiamin-responsive megaloblastic anemia syndrome (TRMA), which is an autosomal recessive disorder characterized by diabetes mellitus, megaloblastic anemia and sensorineural deafness. [provided by RefSeq, Jul 2008]

SLC19A2 Polyclonal Antibody - Additional Information**Gene ID 10560****Other Names**

Thiamine transporter 1, ThTr-1, ThTr1, Solute carrier family 19 member 2, Thiamine carrier 1, TC1,

SLC19A2, THT1, TRMA

Target/Specificity

Ubiquitous; most abundant in skeletal and cardiac muscle. Medium expression in placenta, heart, liver and kidney, low in lung.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

SLC19A2 Polyclonal Antibody - Protein Information

Name SLC19A2

Synonyms THT1, TRMA

Function

High-affinity transporter for the intake of thiamine (PubMed:10391222, PubMed:10542220, PubMed:21836059, PubMed:33008889, PubMed:35512554, PubMed:35724964). Mediates H(+)-dependent pyridoxine transport (PubMed:33008889, PubMed:35512554, PubMed:35724964).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Ubiquitous; most abundant in skeletal and cardiac muscle. Medium expression in placenta, heart, liver and kidney, low in lung.

SLC19A2 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

SLC19A2 Polyclonal Antibody - Images