

SLC19A3 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5345c

Specification

SLC19A3 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O9BZV2
Other Accession	NP_079519.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55665
Antigen Region	217-246

SLC19A3 Antibody (Center) - Additional Information

Gene ID 80704

Other Names

Thiamine transporter 2, ThTr-2, ThTr2, Solute carrier family 19 member 3, SLC19A3

Target/Specificity

This SLC19A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 217-246 amino acids from the Central region of human SLC19A3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SLC19A3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC19A3 Antibody (Center) - Protein Information

Name SLC19A3

Function Mediates high affinity thiamine uptake, probably via a proton anti-port mechanism

(PubMed:[11731220](#), PubMed:[33008889](#), PubMed:[35512554](#), PubMed:[35724964](#)). Has no folate transport activity (PubMed:[11731220](#)). Mediates H(+)-dependent pyridoxine transport (PubMed:[33008889](#), PubMed:[35512554](#), PubMed:[35724964](#), PubMed:[36456177](#)).

Cellular Location

Membrane; Multi-pass membrane protein

Tissue Location

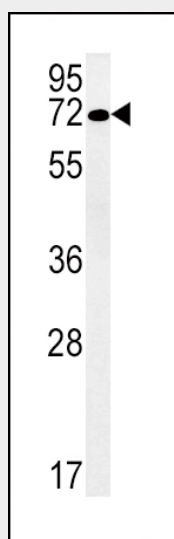
Widely expressed but most abundant in placenta, kidney and liver.

SLC19A3 Antibody (Center) - 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](#)

SLC19A3 Antibody (Center) - Images



SLC19A3 Antibody (Center) (Cat. #AP5345c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the SLC19A3 antibody detected the SLC19A3 protein (arrow).

SLC19A3 Antibody (Center) - Background

SLC19A3 encodes a ubiquitously expressed transmembrane thiamine transporter that lacks folate transport activity.

SLC19A3 Antibody (Center) - References

Mee, L., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 297 (1), G197-G206 (2009)
Liu, X., et al. Tumour Biol. 30 (5-6), 242-248 (2009)

Subramanian, V.S., et al. J. Physiol. (Lond.) 582 (PT 1), 73-85 (2007)