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SLC19A3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5345c

Product Information

Application	WB, E
Primary Accession	Q9BZV2
Other Accession	NP_079519.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB26867
Calculated MW	55665
Antigen Region	217-246

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.

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.

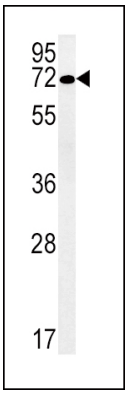
Background

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

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)

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.