

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 217-246 **Antigen Region**

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: <u>11731220</u>, PubMed: <u>33008889</u>, PubMed: <u>35512554</u>, PubMed: <u>35724964</u>). Has no folate transport activity (PubMed: <u>11731220</u>).

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.

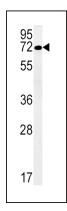
Background

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'.