

Anti-SLC5A6 / SMVT Antibody (N-Terminus)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17669**Specification**

Anti-SLC5A6 / SMVT Antibody (N-Terminus) - Product Information

Application	IHC-P
Primary Accession	O9Y289
Predicted	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68642

Anti-SLC5A6 / SMVT Antibody (N-Terminus) - Additional Information**Gene ID** 8884

Alias Symbol	SLC5A6
Other Names	
SLC5A6, SMVT	

Target/Specificity

Human SLC5A6. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-SLC5A6 / SMVT Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-SLC5A6 / SMVT Antibody (N-Terminus) - Protein Information**Name** SLC5A6 ([HGNC:11041](#))**Synonyms** SMVT**Function**

Sodium-dependent multivitamin transporter that mediates the electrogenic transport of pantothenate, biotin, lipooate and iodide (PubMed:10329687, PubMed:15561972, PubMed:19211916, PubMed:21570947, PubMed:20980265, PubMed:22015582, PubMed:25971966, PubMed:<a

<http://www.uniprot.org/citations/25809983> target="_blank">25809983, PubMed:28052864, PubMed:27904971, PubMed:31754459). Functions as a Na(+)-coupled substrate symporter where the stoichiometry of Na(+):substrate is 2:1, creating an electrochemical Na(+) gradient used as driving force for substrate uptake (PubMed:10329687, PubMed:20980265). Required for biotin and pantothenate uptake in the intestine across the brush border membrane (PubMed:19211916). Plays a role in the maintenance of intestinal mucosa integrity, by providing the gut mucosa with biotin (By similarity). Contributes to the luminal uptake of biotin and pantothenate into the brain across the blood-brain barrier (PubMed:25809983).

Cellular Location

Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Note=Preferentially localized at the luminal membrane of brain capillary endothelium (PubMed:25809983). Localized to the brush border/apical membrane of intestine and renal polarized cells (PubMed:19211916).

Tissue Location

Expressed in microvessels of the brain (at protein level) (PubMed:25809983). Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas (PubMed:10329687)

Anti-SLC5A6 / SMVT Antibody (N-Terminus) - 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](#)

Anti-SLC5A6 / SMVT Antibody (N-Terminus) - Images