

SLC5A6 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57777**Specification**

SLC5A6 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	O9Y289
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68642

SLC5A6 Polyclonal Antibody - Additional Information**Gene ID** 8884**Other Names**

Sodium-dependent multivitamin transporter, Na(+)-dependent multivitamin transporter, Solute carrier family 5 member 6, SLC5A6, SMVT

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

SLC5A6 Polyclonal Antibody - Protein Information**Name** SLC5A6 ([HGNC:11041](#))**Synonyms** SMVT**Function**

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

SLC5A6 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](#)

SLC5A6 Polyclonal Antibody - Images