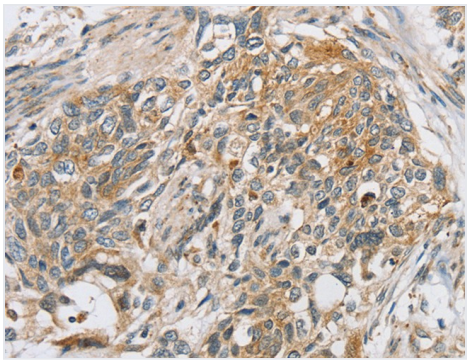
SLC5A6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC5A6, Polyclonal Antibody
Full Product Name	SLC5A6 Polyclonal Antibody
Product Gene Name	anti-SLC5A6 antibody
Product Synonym Names	SMVT
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.
OMIM	604024
Immunogen	Synthetic peptide of human SLC5A6
Note	Centrifuge before opening to ensure complete recovery of vial contents
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC5A6 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-SLC5A6 antibody	IHC: 1:25-1:100
Related Product Information for anti-SLC5A6 antibody	SLC5A6 is a 635 amino acid protein that belongs to the sodium-coupled glucose transporter family. SMVT contains 12 putative transmembrane domains with the N and C termini both facing towards the cytoplasm. Its function is to transport the essential vitamins pantothenate, biotin, and the metabolite lipoate into cells of various human tissues. Biotin, also known as vitamin B6, is important in synthesizing fatty acids gluconeogenesis, and metabolizing leucine, while pantothenate, or vitamin B5, is critical in the metabolism and synthesis of carbohydrates, proteins, and fats. Lipoate is involved in oxidative metabolism.
Other Notes	Small volumes of anti-SLC5A6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SLC5A6 purchase	MBS2516772 is an antibody targeting SLC5A6. Also known as SLC5A6 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-SLC5A6 antibody
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using SLC5A6 Polyclonal Antibody at dilution 1:20

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC5A6. It may not necessarily be applicable to this product.

NCBI GI #	229462745
NCBI GeneID	8884
NCBI Accession #	Q9Y289.2
UniProt Secondary Accession #	Q969Y5; B2RB85; D6W549
UniProt Related Accession #	Q9Y289
NCBI Official Full Name	Sodium-dependent multivitamin transporter
NCBI Official Synonym Full Names	solute carrier family 5 (sodium/multivitamin and iodide cotransporter), member 6
NCBI Official Symbol	SLC5A6
NCBI Official Synonym Symbols	SMVT
UniProt Protein Name	Sodium-dependent multivitamin transporter
UniProt Synonym Protein Names	Solute carrier family 5 member 6
Protein Family	Sodium-dependent multivitamin transporter
UniProt Gene Name	SLC5A6
UniProt Synonym Gene Names	SMVT; Na(+)-dependent multivitamin transporter
UniProt Entry Name	SC5A6_HUMAN
NCBI Protein Information	sodium-dependent multivitamin transporter; Na(+)-dependent multivitamin transporter; Na+-dependent multivitamin transporter; solute carrier family 5 (sodium-dependent vitamin transporter), member 6; solute carrier family 5 member 6

UniProt Comments for SLC5A6	SLC5A6: Transports pantothenate, biotin and lipoate in the presence of sodium. Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family. Protein type: Transporter; Transporter, SLC family; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 2p23 Cellular Component: membrane; integral to plasma membrane; brush border membrane; plasma membrane; vesicle membrane Molecular Function: sodium-dependent multivitamin transmembrane transporter activity Biological Process: pantothenate transport; vitamin metabolic process; transport; pantothenate metabolic process; sodium ion transport; biotin transport; transmembrane transport; water-soluble vitamin metabolic process; biotin metabolic process
Research Articles on SLC5A6	**1.** these studies demonstrated for the first time the functional and molecular expression of sodium dependent multivitamin transporter (SMVT) in human derived breast cancer (T47D) cells
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