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SLC5A9 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57826

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q2M3M2
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74073
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC5A9
Epitope Specificity	1-100/681
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Multipass membrane protein (by similarity)
SIMILARITY	Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SLC5A9 has been reported to be a new sodium (Na+) dependent glucose transporter and an essential transporter for mannose, 1,5 anhydro D glucitol, and fructose.

Additional Information

Gene ID	200010
Other Names	Sodium/glucose cotransporter 4, Na(+)/glucose cotransporter 4, hSGLT4, Solute carrier family 5 member 9, SLC5A9, SGLT4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

Protein Information

Name	SLC5A9 {ECO:0000303|PubMed:15607332}
Function	Electrogenic Na(+)-coupled sugar symporter that may play a primary role in D-mannose and possibly D-fructose and D-glucose transport at the plasma membrane. Transporter activity is driven by a transmembrane Na(+) electrochemical gradient set by the Na(+)/K(+) pump. Exclusively recognizes sugar substrates having a pyranose ring with an axial hydroxyl group on carbon 2.
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in the small intestine, kidney and liver.

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