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SLC5A4 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5571

Product Information

Application	WB
Primary Accession	Q9NY91
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72456
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	6527
Antigen Region	601-635
Other Names	Low affinity sodium-glucose cotransporter, Sodium/glucose cotransporter 3, Na(+)/glucose cotransporter 3, Solute carrier family 5 member 4, SLC5A4, SAAT1, SGLT2
Dilution	WB~~1:1000
Target/Specificity	This SLC5A4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 601-635 amino acids from the C-terminal region of human SLC5A4.
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	SLC5A4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SLC5A4 {ECO:0000303|PubMed:13130073}
Function	Does not function as sodium/D-glucose symporter (PubMed: 13130073, PubMed:20421923, PubMed:22766068). However, may function as a

	D-glucose sensor by generating a D-glucose-induced depolarization which is pH-independent, Na(+)-dependent at neutral pH and probably H(+)-dependent at acidic pH (PubMed:13130073, PubMed:17110502, PubMed:20421923, PubMed:22766068).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed in skeletal muscle, where it may localize to the neuromuscular junction (at protein level) (PubMed:13130073) Expressed in small intestine where it may localize to cholinergic neurons of the submucosal plexus and myenteric plexus (at protein level) (PubMed:13130073). Detected in kidney (at protein level) (PubMed:22766068).

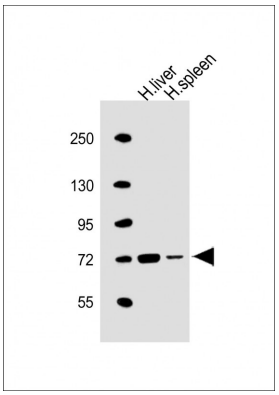
Background

Sodium-dependent glucose transporter.

References

Gorboulev V.,et al.Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
Dunham I.,et al.Nature 402:489-495(1999).
Poppe R.,et al.Submitted (DEC-1995) to the EMBL/GenBank/DDBJ databases.

Images



All lanes : Anti-SLC5A4 Antibody (C-term) at 1:1000 dilution Lane 1: human liver lysate Lane 2: human spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 72 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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