Datasheet for ABIN7602928

anti-SLC5A4 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	SLC5A4
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC5A4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SLC5A4 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human SLC5A4.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SLC5A4 Antibody Picoband® (ABIN7602928). Tested in Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SLC5A4
Alternative Name:	SLC5A4 (SLC5A4 Products)
Background:	Synonyms: Kelch repeat and BTB domain-containing protein 2, BTB and kelch domain-containing protein 1, KBTBD2, BKLHD1, KIAA1489 Tissue Specificity: Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon. Background: The low affinity sodium-glucose cotransporter also known as the sodium/glucose cotransporter 3 (SGLT3) or solute carrier family 5 member 4 (SLC5A4) is a protein that in humans is encoded by the SLC5A4 gene. Predicted to enable glucose:sodium symporter activity and proton transmembrane transporter activity. Predicted to be involved in sodium ion transport. Predicted to act upstream of or within proton transmembrane transport. Predicted to be active in plasma membrane. Predicted to be integral component of membrane.
Molecular Weight:	80 kDa
Gene ID:	6527
Pathways:	Proton Transport

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Bianchi, L., Diez-Sampedro, A. A single amino acid change converts the sugar sensor SGLT3 into a sugar transporter. PLoS One 5: e10241, 2010. Note: Electronic Article. 2. Kothinti, R. K., Blodgett, A. B., North, P. E., Roman, R. J., Tabatabai, N. M. A novel SGLT is expressed in the human kidney. Europ. J. Pharm. 690: 77-83, 2012. 3. Stumpf, A. M. Personal Communication. Baltimore, Md. 10/21/2019.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.