Datasheet for ABIN7599446

anti-SLC17A4 antibody (AA 1-497)

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Overview

Quantity:	100 µg
Target:	SLC17A4
Binding Specificity:	AA 1-497
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC17A4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SLC17A4 Antibody Picoband®
Immunogen:	E.coli-derived human SLC17A4 recombinant protein (Position: M1-L497).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-SLC17A4 Antibody Picoband® (ABIN7599446). Tested in ELISA, 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:	SLC17A4
Alternative Name:	SLC17A4 (SLC17A4 Products)
Background:	Synonyms: RNA-binding protein 47,RNA-binding motif protein 47,RBM47, Tissue Specificity: Abundantly expressed in tonsil, lymph node, and trachea, strong expression in prostate, lower expression in thyroid, stomach, and colon. . Background: Phosphate homeostasis is maintained by regulating intake, intestinal absorption, bone deposition and resorption, and renal excretion of phosphate. The central molecule in the control of phosphate excretion from the kidney is the sodium/phosphate cotransporter NPT1 (SLC17A1, MIM 182308), which is located in the renal proximal tubule. NPT1 uses the transmembrane electrochemical potential gradient of sodium to transport phosphate across the cell membrane. SLC17A4 is a similar sodium/phosphate cotransporter in the intestinal mucosa that plays an important role in the absorption of phosphate from the intestine.
Molecular Weight:	65 kDa
Gene ID:	10050
UniProt:	Q9Y2C5

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Shibui, A., Tsunoda, T., Seki, N., Suzuki, Y., Sugane, K., Sugano, S. Isolation and chromosomal mapping of a novel human gene showing homology to Na+/PO4 cotransporter. J. Hum. Genet. 44: 190-192, 1999.
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.
Storage:	4 °C,-20 °C

Handling

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.