Datasheet for ABIN7602463

anti-SLC20A1 antibody (AA 79-494)

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Overview

Quantity:	100 µg
Target:	SLC20A1
Binding Specificity:	AA 79-494
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC20A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-SLC20A1 Antibody Picoband®
Immunogen:	E.coli-derived human SLC20A1 recombinant protein (Position: A79-K494).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-SLC20A1 Antibody Picoband® (ABIN7602463). Tested in ELISA, IF, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. 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:	SLC20A1
Alternative Name:	SLC20A1 (SLC20A1 Products)
Background:	Synonyms: Segment polarity protein dishevelled homolog DVL-1,Dishevelled-1,DSH homolog 1,DVL1, Tissue Specificity: Found in embryos and in adult liver and heart. Background: Sodium-dependent phosphate transporter 1 is a protein that in humans is encoded by the SLC20A1 gene. The protein encoded by this gene is a sodium-phosphate symporter that absorbs phosphate from interstitial fluid for use in cellular functions such as metabolism, signal transduction, and nucleic acid and lipid synthesis. The encoded protein is also a retroviral receptor, causing human cells to be susceptible to infection by gibbon ape leukemia virus, simian sarcoma-associated virus, feline leukemia virus subgroup B, and 10A1 murine leukemia virus.
Molecular Weight:	85 kDa
Gene ID:	6574

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Beck, L., Leroy, C., Beck-Cormier, S., Forand, A., Salaun, C., Paris, N., Bernier, A., Urena-Torres, P., Prie, D., Ollero, M., Coulombel, L., Friedlander, G. The phosphate transporter PiT1 (Slc20a1) revealed as a new essential gene for mouse liver development. PLoS One 5: e9148, 2010. 2. Inden, M., Iriyama, M., Zennami, M., Sekine, S., Hara, A., Yamada, M., Hozumi, I. The type III transporters (PiT-1 and PiT-2) are the major sodium-dependent phosphate transporters in the mice and human brains. Brain Res. 1637: 128-136, 2016. 3. Kaelbling, M., Eddy, R., Shows, T. B., Copeland, N. G., Gilbert, D. J., Jenkins, N. A., Klinger, H. P., O'Hara, B. Localization of the human gene allowing infection by gibbon ape leukemia virus to human chromosome region 2q11-q14 and to the homologous region on mouse chromosome 2. J. Virol. 65: 1743-1747, 1991.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

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
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.