

Datasheet for ABIN7599874
anti-SLC6A20 antibody (AA 124-555)



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Overview

Quantity:	100 µg
Target:	SLC6A20
Binding Specificity:	AA 124-555
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC6A20 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SLC6A20 Antibody Picoband®
Immunogen:	E.coli-derived human SLC6A20 recombinant protein (Position: S124-A555). Human SLC6A20 shares 91.9% and 90.3% amino acid (aa) sequence identity with mouse and rat SLC6A20, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-SLC6A20 Antibody Picoband® catalog # A09824-1. Tested in ELISA, IHC, WB, Flow Cytometry 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: SLC6A20

Alternative Name: SLC6A20 ([SLC6A20 Products](#))

Background: Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody

Tissue Specificity: Expressed in all tissues.

Background: Solute carrier family 6, member 20 also known as SLC6A20 is a protein which in humans is encoded by the SLC6A20 gene. Transport of small hydrophilic substances across cell membranes is mediated by substrate-specific transporter proteins which have been classified into several families of related genes. The protein encoded by this gene belongs to the sodium:neurotransmitter symporter (SNF) family and functions as a proline transporter expressed in kidney and small intestine. Mutations in this gene are associated with Hyperglycinuria and Iminoglycinuria.

Molecular Weight: 70 kDa

Gene ID: 54716

Application Details

Application Notes: Western blot, 0.1-0.25 µg/mL, Human, Rat
Immunohistochemistry, 2-5 µg/mL, Human, Mouse
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
ELISA, 0.1-0.5 µg/mL, -
1. Broer, S., Bailey, C. G., Kowalczyk, S., Ng, C., Vanslambrouck, J. M., Rodgers, H., Auray-Blais,

Application Details

C., Cavanaugh, J. A., Broer, A., Rasko, J. E. J. Iminoglycinuria and hyperglycinuria are discrete human phenotypes resulting from complex mutations in proline and glycine transporters. J. Clin. Invest. 118: 3881-3892, 2008. 2. Hamosh, A. Personal Communication. Baltimore, Md. 4/3/2023. 3. Nash, S. R., Giros, B., Kingsmore, S. F., Kim, K. M., El-Mestikawy, S., Dong, Q., Fumagalli, F., Seldin, M. F., Caron, M. G. Cloning, gene structure and genomic localization of an orphan transporter from mouse kidney with six alternatively-spliced isoforms. Receptors Channels 6: 113-128, 1998.

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
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.