Datasheet for ABIN7599483

anti-SLC6A18 antibody (AA 1-569)

Go to Product page

Overview

Quantity:	100 µg
Target:	SLC6A18
Binding Specificity:	AA 1-569
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC6A18 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-SLC6A18 Antibody Picoband®
Immunogen:	E.coli-derived human SLC6A18 recombinant protein (Position: M1-A569).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SLC6A18 Antibody Picoband® (ABIN7599483). Tested in ELISA, WB applications. This antibody reacts with Human, 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:	SLC6A18
Alternative Name:	SLC6A18 (SLC6A18 Products)
Background:	Synonyms: RNA-binding protein Nova-2, Astrocytic NOVA1-like RNA-binding protein, Neuro-oncological ventral antigen 2, NOVA2, ANOVA, NOVA3 Tissue Specificity: Brain. Expression restricted to astrocytes. Background: Solute carrier family 6, member 18 also known as SLC6A18 is a protein which in humans is encoded by the SLC6A18 gene. The SLC6 family of proteins, which includes SLC6A18, act as specific transporters for neurotransmitters, amino acids, and osmolytes like betaine, taurine, and creatine. SLC6 proteins are sodium cotransporters that derive the energy for solute transport from the electrochemical gradient for sodium ions.
Molecular Weight:	71 kDa
Gene ID:	348932
UniProt:	Q96N87

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat ELISA, 0.1-0.5 µg/mL, - 1. Broer, S., Bailey, C. G., Kowalczuk, S., Ng, C., Vanslambrouck, J. M., Rodgers, H., Auray-Blais, 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. Hoglund, P. J., Adzic, D., Scicluna, S. J., Lindblom, J., Fredriksson, R. The repertoire of solute carriers of family 6: identification of new human and rodent genes. Biochem. Biophys. Res. Commun. 336: 175-189, 2005.
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.