Datasheet for ABIN7599517

anti-SLC7A2 antibody (AA 1-658)

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Overview

Quantity:	100 µg
Target:	SLC7A2
Binding Specificity:	AA 1-658
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC7A2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CAT2/SLC7A2 Antibody Picoband®
Immunogen:	E.coli-derived human CAT2/SLC7A2 recombinant protein (Position: M1-F658).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CAT2/SLC7A2 Antibody Picoband® (ABIN7599517). Tested in ELISA, Flow Cytometry, 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:	SLC7A2
Alternative Name:	SLC7A2 (SLC7A2 Products)
Background:	Synonyms: Ubiquitin carboxyl-terminal hydrolase 25, Deubiquitinating enzyme 25, USP on chromosome 21, Ubiquitin thioesterase 25, Ubiquitin-specific-processing protease 25, USP25, USP21 Tissue Specificity: Isoform USP25a is found in most adult and fetal tissues, expression is moderately high in testis, pancreas, kidney, skeletal muscle, liver, lung, placenta, brain, heart, but very low in peripheral blood, colon, small intestine, ovary, prostate, thymus and spleen. Isoform USP25b is found in all tissues except heart and skeletal muscle. Isoform USP25m is heart and skeletal muscle specific. Background: Cationic amino acid transporter 2 is a protein that in humans is encoded by the SLC7A2 gene. The protein encoded by this gene is a cationic amino acid transporter and a member of the APC (amino acid-polyamine-organocation) family of transporters. The encoded membrane protein is responsible for the cellular uptake of arginine, lysine and ornithine. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	100 kDa
Gene ID:	89858
UniProt:	P52569

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Closs, E. I., Graf, P., Habermeier, A., Cunningham, J. M., Forstermann, U. Human cationic amino acid transporters hCAT-1, hCAT-2A, and hCAT-2B: three related carriers with distinct transport properties. Biochemistry 36: 6462-6468, 1997. 2. Closs, E. CATs, a family of three distinct cationic amino acid transporters. Amino Acids 11: 193-208, 1996. 3. Hoshide, R., Ikeda, Y., Karashima, S., Matsuura, T., Komaki, S., Kishino, T., Niikawa, N., Endo, F., Matsuda, I. Molecular cloning, tissue distribution, and chromosomal localization of human cationic amino acid transporter 2 (HCAT2). Genomics 38: 174-178, 1996.
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.