

Datasheet for ABIN7602929  
**anti-SLC7A3 antibody (C-Term)**



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	SLC7A3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC7A3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Anti-SLC7A3 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human SLC7A3.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SLC7A3 Antibody Picoband® (ABIN7602929). Tested in 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:	SLC7A3
Alternative Name:	SLC7A3 ( <a href="#">SLC7A3 Products</a> )
Background:	<p>Synonyms: Cationic amino acid transporter 3,CAT-3,CAT3,Cationic amino acid transporter y+,Solute carrier family 7 member 3,SLC7A3,ATRC3, CAT3,</p> <p>Tissue Specificity: Highly expressed in thymus, uterus and testis. Detected at lower levels in brain, mammary gland, prostate, salivary gland and fetal spleen. In brain, highest expression in thalamus, hippocampus and amygdala. .</p> <p>Background: Cationic amino acid transporter 3 is a protein that in humans is encoded by the SLC7A3 gene. This gene encodes a member of the solute carrier family 7. The encoded protein is a sodium-independent cationic amino acid transporter. Alternate splicing results in multiple transcripts that encoded the same protein. The International Radiation Hybrid Mapping Consortium mapped the SLC7A3 gene to the X chromosome.</p>
Molecular Weight:	70 kDa
Gene ID:	84889

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>1. Ito K, Groudine M (1997). "A new member of the cationic amino acid transporter family is preferentially expressed in adult mouse brain.". J. Biol. Chem. 272 (42): 26780-6. 2. Gilles W, Vulcu SD, Liewald JF, et al. (2005). "Monovalent cation conductance in Xenopus laevis oocytes expressing hCAT-3.". Biochim. Biophys. Acta.1668 (2): 234-9. 3. Vekony, N., Wolf, S., Boissel, J.-P., Gnauert, K., Closs, E. I. Human cationic amino acid transporter hCAT-3 is preferentially expressed in peripheral tissues. Biochemistry 40: 12387-12394, 2001.</p>
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.