

Anti-CAT1/SLC7A1 Antibody Picoband® HRP Conjugated

Catalog Number: PA2245-HRP

About SLC7A1

High affinity cationic amino acid transporter 1, also called solute carrier family 7 (cationic amino acid transporter, γ^+ system), member 1 (SLC7A1) or ATRC1 is a protein that in humans is encoded by the SLC7A1 gene. This gene is mapped to 13q12.3. It acts as a cationic amino acid transporter and as an ecotropic retrovirus receptor and plays a role in the Na^+ -independent γ^+ cationic amino acid transport system. This gene is high-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues.

Overview

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| Product Name | Anti-CAT1/SLC7A1 Antibody Picoband® HRP Conjugated |
| Reactive Species | Human |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na_2HPO_4 . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | P30825 |

Technical Details

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| Immunogen | A synthetic peptide corresponding to a sequence at the C-terminus of human CAT1, different from the related mouse and rat sequences by four amino acids. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | HRP |
| Suggested Dilutions | The intended application should be selected according to the customer's experimental requirements. |

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