

Anti-ASCT2/SLC1A5 Antibody Picoband®

Catalog Number: A01474-1

About SLC1A5

The SLC1A5 gene encodes a sodium-dependent neutral amino acid transporter that can act as a receptor for RD114/type D retrovirus (Larriba et al., 2001 [PubMed 11781704]).

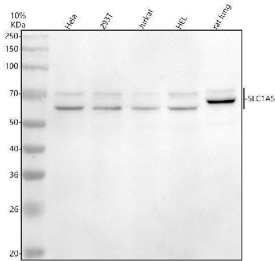
Overview

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| Product Name | Anti-ASCT2/SLC1A5 Antibody Picoband® |
| Reactive Species | Human, Rat |
| Description | Boster Bio Anti-ASCT2/SLC1A5 Antibody Picoband® catalog # A01474-1. Tested in 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. |
| Application | WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ . |
| Storage Instructions | 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. |
| Host | Rabbit |
| Uniprot ID | Q15758 |

Technical Details

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|---------------------|---|
| Immunogen | A synthetic peptide corresponding to a sequence in the middle region of human ASCT2/SLC1A5. |
| Form | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Western blot, 0.25-0.5 ug/ml, Human, Rat |

Anti-ASCT2/SLC1A5 Antibody Picoband® (A01474-1) Images



Western blot analysis of SLC1A5 using anti-SLC1A5 antibody (A01474-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: human HEL whole cell lysates, Lane 5: rat lung tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SLC1A5 antigen affinity purified polyclonal antibody (A01474-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for SLC1A5 at approximately 55-70 kDa. The expected band size for SLC1A5 is at 57 kDa.

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Anti-ASCT2/SLC1A5 Antibody

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