

Datasheet for ABIN7161480  
**anti-SLC1A5 antibody (AA 1-100)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	SLC1A5
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC1A5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

## Product Details

Immunogen:	Recombinant Human Neutral amino acid transporter B(0) protein (1-100AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

## Target Details

Target:	SLC1A5
Alternative Name:	SLC1A5 ( <a href="#">SLC1A5 Products</a> )
Background:	Background: Sodium-dependent amino acids transporter that has a broad substrate specificity, with a preference for zwitterionic amino acids. It accepts as substrates all neutral amino acids,

## Target Details

including glutamine, asparagine, and branched-chain and aromatic amino acids, and excludes methylated, anionic, and cationic amino acids. May also be activated by insulin. Through binding of the fusogenic protein syncytin-1/ERVW-1 may mediate trophoblasts syncytialization, the spontaneous fusion of their plasma membranes, an essential process in placental development (PubMed:10708449, PubMed:23492904). Acts as a cell surface receptor for feline endogenous virus RD114, baboon M7 endogenous virus and type D simian retroviruses (PubMed:10051606, PubMed:10196349).

Aliases: ASCT2 antibody, AAAT antibody, AAAT\_HUMAN antibody, ATB(0) antibody, ATBO antibody, Baboon M7 virus receptor antibody, FLJ31068 antibody, M7V1 antibody, M7VS1 antibody, Neutral amino acid transporter B(0) antibody, R16 antibody, RD114/simian type D retrovirus receptor antibody, RDR antibody, RDRC antibody, SLC1A5 antibody, Sodium dependent neutral amino acid transporter type 2 antibody, Sodium-dependent neutral amino acid transporter type 2 antibody, Solute carrier family 1 (neutral amino acid transporter), member 5 antibody, Solute carrier family 1 member 5 antibody

UniProt: [Q15758](#)

Pathways: [Dicarboxylic Acid Transport](#), [Warburg Effect](#)

## Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

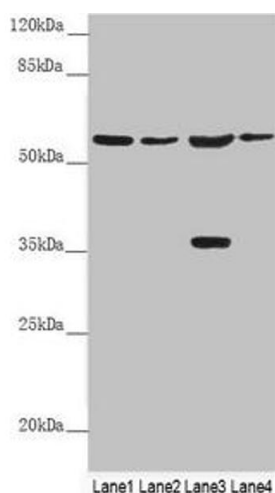
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using ABIN7161480 at dilution of 1:100



### Western Blotting

**Image 2.** Western blot All lanes: SLC1A5 antibody at 9.89  $\mu$ g/mL Lane 1: Mouse lung tissue Lane 2: Jurkat whole cell lysate Lane 3: 293T whole cell lysate Lane 4: Hela whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 57, 37, 34 kDa Observed band size: 57, 37 kDa