

Datasheet for ABIN669081  
**anti-SLC1A5 antibody (AA 465-515)**

## 3 Publications

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## Overview

Quantity:	100 µL
Target:	SLC1A5
Binding Specificity:	AA 465-515
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC1A5 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SLC1A5
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

## Target Details

Target:	SLC1A5
Alternative Name:	SLC1A5 ( <a href="#">SLC1A5 Products</a> )
Background:	Synonyms: R16, AAAT, ATBO, M7V1, RDRC, ASCT2, M7VS1, Neutral amino acid transporter B(0), ATB(0), Baboon M7 virus receptor, RD114/simian type D retrovirus receptor, Sodium-

## Target Details

dependent neutral amino acid transporter type 2, Solute carrier family 1 member 5, SLC1A5, RDR

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, 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).

Gene ID: 6510

UniProt: [Q15758](#)

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

## Application Details

Application Notes: ELISA 1:500-1000  
FCM 1:20-100  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

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Product cited in: Díaz-Carballo, Klein, Acikelli, Wilk, Saka, Jastrow, Wennemuth, Dammann, Giger-Pabst, Khosrawipour, Rassow, Nienen, Strumberg: "Cytotoxic stress induces transfer of mitochondria-associated human endogenous retroviral RNA and proteins between cancer cells." in: **Oncotarget**, Vol. 8, Issue 56, pp. 95945-95964, (2017) ([PubMed](#)).

Huang, Zhao, Zhao, Wu, Jiang, Ma, Zhang: "Upregulated SLC1A5 promotes cell growth and survival in colorectal cancer." in: **International journal of clinical and experimental pathology**, Vol. 7, Issue 9, pp. 6006-14, (2014) ([PubMed](#)).