

Datasheet for ABIN669083

**anti-SLC1A5 antibody (AA 465-515) (Biotin)**[Go to Product page](#)

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | SLC1A5   |
| Binding Specificity: | AA 465-515   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This SLC1A5 antibody is conjugated to Biotin                       |
| Application:         | ELISA, 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

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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).

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Gene ID: 6510

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UniProt: [Q15758](#)

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

## Application Details

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Application Notes: IHC-P 1:200-400

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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

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Storage: -20 °C

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Storage Comment: Store at -20°C for 12 months.

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Expiry Date: 12 months