10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# SLC28A1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20317c

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | O00337 |
| **Other Accession** | O62667 |
| **Reactivity** | Human |
| **Predicted** | Pig, Mouse, Rat, Bovine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB40818 |
| **Calculated MW** | 71584 |
| **Antigen Region** | 381-409 |

## Additional Information

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| **Gene ID** | 9154 |
| **Other Names** | Sodium/nucleoside cotransporter 1, Concentrative nucleoside transporter 1, CNT 1, hCNT1, Na(+)/nucleoside cotransporter 1, Sodium-coupled nucleoside transporter 1, Solute carrier family 28 member 1, SLC28A1, CNT1 |
| **Target/Specificity** | This SLC28A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 381-409 amino acids from the Central region of human SLC28A1. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | SLC28A1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

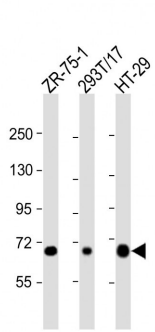
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| **Name** | SLC28A1 ( HGNC:11001) |
| **Function** | Sodium and pyrimidine nucleoside symporter of the plasma membrane that |

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| | imports uridine, thymidine and cytidine into cells by coupling their transport to the transmembrane sodium electrochemical gradient. Also transports adenosine, an atypical substrate transported with high apparent affinity, but low maximum velocity. Therefore, exhibits the transport characteristics of the nucleoside transport system cit or N2 subtype (N2/cit) (PubMed:10455109, PubMed:14701834, PubMed:15194733, PubMed:21795683, PubMed:21998139, PubMed:30658162, PubMed:32126230, PubMed:9124315). Involved in renal nucleoside (re)absorption (PubMed:30658162). |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein {ECO:0000250\|UniProtKB:Q62674}. Apical cell membrane; Multi-pass membrane protein {ECO:0000250\|UniProtKB:Q62674} |
| **Tissue Location** | Expressed in kidney.. |

## Background

Sodium-dependent and pyrimidine-selective. Exhibits the transport characteristics of the nucleoside transport system cit or N2 subtype (N2/cit) (selective for pyrimidine nucleosides and adenosine). It also transports the antiviral pyrimidine nucleoside analogs 3'-azido-3'-deoxythymidine (AZT) and 2',3'-dideoxycytidine (ddC). It may be involved in the intestinal absorption and renal handling of pyrimidine nucleoside analogs used to treat acquired immunodeficiency syndrome (AIDS). It has the following selective inhibition: adenosine, thymidine, cytidine, uridine >> guanosine, inosine.

## Images




All lanes : Anti-SLC28A1 Antibody (Center) at 1:2000 dilution Lane 1: ZR-75-1 whole cell lysate Lane 2: 293T/17 whole cell lysate Lane 3: HT-29 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 72 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.