

Datasheet for ABIN358541

**anti-SLC29A1 antibody (pSer254)****1** Image**1** Publication[Go to Product page](#)

## Overview

|                      |                                        |
|----------------------|----------------------------------------|
| Quantity:            | 0.4 mL                                 |
| Target:              | SLC29A1                                |
| Binding Specificity: | pSer254                                |
| Reactivity:          | Human                                  |
| Host:                | Rabbit                                 |
| Clonality:           | Polyclonal                             |
| Conjugate:           | This SLC29A1 antibody is un-conjugated |
| Application:         | Enzyme Immunoassay (EIA)               |

## Product Details

|               |                                                                                                                                                                       |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S254 of human ENT1. |
| Isotype:      | Ig Fraction                                                                                                                                                           |
| Specificity:  | This antibody reacts to ENT1 (SLC29A1) pSer254.                                                                                                                       |
| Purification: | Protein A column, followed by two-step phosphospecific peptide affinity purification                                                                                  |

## Target Details

|                   |                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------|
| Target:           | SLC29A1                                                                                         |
| Alternative Name: | SLC29A1 / ENT1 ( <a href="#">SLC29A1 Products</a> )                                             |
| Background:       | ENT1 is a member of the equilibrative nucleoside transporter family. The protein is categorized |

## Target Details

as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies. Synonyms: Equilibrative nucleoside transporter 1, Solute carrier family 29 member 1

Gene ID: 2030, 9606

UniProt: [Q99808](#)

Pathways: [Carbohydrate Homeostasis](#), [Synaptic Membrane](#)

## Application Details

Application Notes: ELISA: 1/1,000. Dot Blot: 1/500.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) sodium azide

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

## Publications

Product cited in: Dephoure, Zhou, Villén, Beausoleil, Bakalarski, Elledge, Gygi: "A quantitative atlas of mitotic phosphorylation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 31, pp. 10762-7, (2008) ([PubMed](#)).

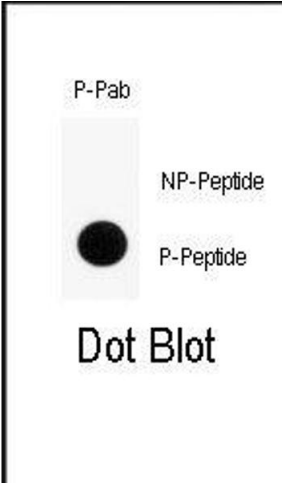


Image 1.