Datasheet for ABIN2781589

# anti-SLC22A2 antibody (N-Term)

1 Image | 1 Publication

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## Overview

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| Quantity: | 100 µL |
| Target: | SLC22A2 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Rat, Mouse, Cow, Dog, Guinea Pig, Horse, Rabbit |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLC22A2 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human SLC22A2 |
| Sequence: | MPTTVDDVLE HGGEFHFFQK QMFFLLALLS ATFAPIYVGI VFLGFTPDHR |
| Predicted Reactivity: | Cow: 83%, Dog: 83%, Guinea Pig: 83%, Horse: 83%, Human: 100%, Mouse: 92%, Rabbit: 83%, Rat: 85% |
| Characteristics: | This is a rabbit polyclonal antibody against SLC22A2. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Protein A purified |

## Target Details

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|---|---|
| Target: | SLC22A2 |

## Target Details

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| Alternative Name: | SLC22A2 (SLC22A2 Products) |
| Background: | Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. SLC22A2 is one of the three similar cation transporters. SLC22A2 contains twelve putative transmembrane domains and is a plasma integral membrane protein. It is found primarily in the kidney, where it may mediate the first step in cation reabsorption.Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. This gene is one of three similar cation transporter genes located in a cluster on chromosome 6. The encoded protein contains twelve putative transmembrane domains and is a plasma integral membrane protein. It is found primarily in the kidney, where it may mediate the first step in cation reabsorption. Two transcript variants encoding different isoforms have been found for this gene.<br>Alias Symbols: MGC32628, OCT2<br>Protein Interaction Partner: AGO3, CST9L, LSM4, HYAL3, SUMO2, GTF2B, EXT2, ETV5, POU2AF1,<br>Protein Size: 555 |
| Molecular Weight: | 62 kDa |
| Gene ID: | 6582 |
| NCBI Accession: | NM_003058, NP_003049 |
| UniProt: | O15244 |

## Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 555 AA |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |

## Handling

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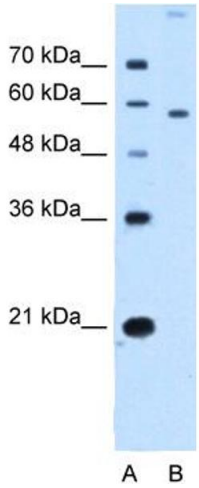
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Publications

| | |
|---|---|
| Product cited in: | Rind, Schmeiser, Thiel, Absmanner, Lübbehusen, Hocks, Apeshiotis, Wilichowski, Lehle, Körner: " A severe human metabolic disease caused by deficiency of the endoplasmatic mannosyltransferase hALG11 leads to congenital disorder of glycosylation-Ip." in: **Human molecular genetics**, Vol. 19, Issue 8, pp. 1413-24, (2010) (PubMed). |

## Images




**Western Blotting**

**Image 1.** WB Suggested Anti-SLC22A2 Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate