Datasheet for ABIN5010644

# anti-SLC38A2 antibody (AA 21-150) (Alexa Fluor 680)

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## Overview

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| Quantity: | 100 µL |
| Target: | SLC38A2 |
| Binding Specificity: | AA 21-150 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLC38A2 antibody is conjugated to Alexa Fluor 680 |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human SLC38A2/SNAT2 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Dog,Cow,Sheep,Pig,Horse |
| Purification: | Purified by Protein A. |

## Target Details

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| Target: | SLC38A2 |
| Alternative Name: | SLC38A2/SNAT2 (SLC38A2 Products) |

## Target Details

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| Background: | Synonyms: Amino acid transporter 2, Amino acid transporter A2, ATA2, KIAA1382, PRO1068, Protein 40-9-1, S38A2_HUMAN, SAT2, Slc38a2, SNAT2, Sodium-coupled neutral amino acid transporter 2, Solute carrier family 38 member 2, System A amino acid transporter, System A amino acid transporter 2, System A transporter 1, System N amino acid transporter 2. Background: The sodium-coupled neutral amino acid transporters (SNAT) of the SLC38 gene family include System A subtypes SNAT1, SNAT2 and SNAT4 and System N subtypes SNAT3 and SNAT5. The SLC38 transporters are essential for the uptake of nutrients, energy production, metabolism, detoxification, and the cycling of neurotransmitters. SNAT2, also designated ATA2, PRO1068 and SAT2 is encoded by the human gene SLC38A2. The functional role of SNAT2 in the nervous system is unclear. Protein expression is notably enriched in the spinal cord and brain stem nuclei of the auditory system. System A transport proteins are also present in placental tissue. These SNAT proteins may play a significant role in fetal development and inhibition of the transport system has been associated with fetal growth retardation. |
| UniProt: | Q96QD8 |
| Pathways: | Dicarboxylic Acid Transport |

## Application Details

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| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 1 μg/μL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % 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. |

## Handling

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| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |

 