

Datasheet for ABIN7152232
anti-SLC1A3 antibody (AA 146-236) (HRP)



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Overview

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| Quantity: | 100 µL |
| Target: | SLC1A3 |
| Binding Specificity: | AA 146-236 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLC1A3 antibody is conjugated to HRP |
| Application: | ELISA |

Product Details

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| Immunogen: | Recombinant Human Excitatory amino acid transporter 1 protein (146-236AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

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| Target: | SLC1A3 |
| Alternative Name: | SLC1A3 (SLC1A3 Products) |
| Background: | Background: Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate (PubMed:7521911, PubMed:8123008, |

Target Details

PubMed:20477940, PubMed:26690923, PubMed:28032905, PubMed:28424515). Functions as a symporter that transports one amino acid molecule together with two or three Na(+) ions and one proton, in parallel with the counter-transport of one K(+) ion (PubMed:20477940). Mediates Cl(-) flux that is not coupled to amino acid transport, this avoids the accumulation of negative charges due to aspartate and Na(+) symport (PubMed:20477940). Plays a redundant role in the rapid removal of released glutamate from the synaptic cleft, which is essential for terminating the postsynaptic action of glutamate (By similarity).

Aliases: EA6 antibody, EAA1_HUMAN antibody, EAAT1 antibody, Excitatory amino acid transporter 1 antibody, FLJ25094 antibody, GLAST antibody, GLAST-1 antibody, GLAST1 antibody, Glial high affinity glutamate transporter antibody, glutamate/aspartate transporter, high affinity, sodium-dependent antibody, High affinity neuronal glutamate transporter antibody, Slc1a3 antibody, Sodium dependent glutamate/aspartate transporter antibody, Sodium-dependent glutamate/aspartate transporter 1 antibody, Solute carrier family 1 (glial high affinity glutamate transporter) member 3 antibody, Solute carrier family 1 member 3 antibody

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| UniProt: | P43003 |
| Pathways: | Sensory Perception of Sound , Synaptic Membrane , Dicarboxylic Acid Transport |

Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Buffer: | Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4 |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |