Datasheet for ABIN5516361

# anti-SLC19A3 antibody (C-Term)

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## Overview

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| Quantity: | 100 µL |
| Target: | SLC19A3 (Slc19a3) |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLC19A3 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the C terminal region of human SLC19A3 |
| Sequence: | VYGSYFAVIA GIFLMRSMYI TYSTKSQKDV QSPAPSENPD VSHPEEESNI |
| Purification: | Affinity purified |

## Target Details

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| Target: | SLC19A3 (Slc19a3) |
| Alternative Name: | SLC19A3 (Slc19a3 Products) |
| Background: | This gene encodes a ubiquitously expressed transmembrane thiamine transporter that lacks folate transport activity. Mutations in this gene cause biotin-responsive basal ganglia disease (BBGD), a recessive disorder manifested in childhood that progresses to chronic |

## Target Details

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| | encephalopathy, dystonia, quadriparesis, and death if untreated. Patients with BBGD have bilateral necrosis in the head of the caudate nucleus and in the putamen. Administration of high doses of biotin in the early progression of the disorder eliminates pathological symptoms while delayed treatment results in residual paraparesis, mild mental retardation, or dystonia. Administration of thiamine is ineffective in the treatment of this disorder. Experiments have failed to show that this protein can transport biotin. Mutations in this gene also cause a Wernicke's-like encephalopathy.<br><br>Alias Symbols: BBGD, THMD2, THTR2<br><br>Protein Size: 496 |
| Gene ID: | 80704 |
| NCBI Accession: | NM_025243, NP_079519 |
| UniProt: | Q9BZV2 |
| Pathways: | 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: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| 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. |