

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects Human ABCA13 peptide in direct Elisas. |
| Source | Monoclonal Rabbit IgG Clone # 2379B |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Synthetic peptide within aminoacids 4700-4750 of the Human ABCA13 protein Accession # Q86UQ4 |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|-----------------------------|----------------------------------|---|
| Immunohistochemistry | 3-25 µg/mL | Immersion fixed paraffin-embedded sections of human brain hippocampus |

DATA

Immunohistochemistry



ABCA13 in Human Hippocampus. ABCA13 was detected in immersion fixed paraffin-embedded sections of human brain hippocampus using Rabbit Anti-Human ABCA13 Monoclonal Antibody (Catalog # MAB11195) at 3 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Rabbit IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC003). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to lymphocytes in germinal centers. Staining was performed using our protocol for IHC Staining with VisUCyte HRP Polymer Detection Reagents.

PREPARATION AND STORAGE

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| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| Stability & Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

BACKGROUND

ATP-binding cassette sub-family A member 13, also known as ABCA13, is a protein that belongs to the ATP-binding cassette family of transporter proteins, a large family with at least 48 members and 7 gene subfamilies. Human ABCA13 is one of the largest known ABC transporters with 12 or more transmembrane alpha-helix domains that likely arrange to form a single central chamber with multiple substrate binding sites. Human ABCA13 has been shown to be associated with psychiatric disorders like schizophrenia and bipolar disorder.