

#### DESCRIPTION

|                           |                                                                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                   |
| <b>Specificity</b>        | Detects Human ABCA13 peptide in direct Elisas.                                                                                                                                                          |
| <b>Source</b>             | Monoclonal Rabbit IgG Clone # 2379B                                                                                                                                                                     |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                              |
| <b>Immunogen</b>          | Synthetic peptide within aminoacids 4700-4750 of the Human ABCA13 protein                                                                                                                               |
|                           | Accession # Q86UQ4                                                                                                                                                                                      |
| <b>Conjugate</b>          | Alexa Fluor 350<br>Excitation Wavelength: 346 nm<br>Emission Wavelength: 442 nm                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                                                                                                                            |
|                           | *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### 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.

**Immunohistochemistry** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### 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.

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