

#### DESCRIPTION

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|---|---|
| <b>Species Reactivity</b>   | Human   |
| <b>Specificity</b>  | Detects human ABI1 in direct ELISAs.  |
| <b>Source</b>   | Monoclonal Mouse IgG <sub>2B</sub> Clone # 1013203                                    |
| <b>Purification</b>   | Protein A or G purified from hybridoma culture supernatant                            |
| <b>Immunogen</b>  | <i>E. coli</i> -derived recombinant human ABI1<br>Val429-Asp508<br>Accession # Q8IZP0 |
| <b>Conjugate</b>  | Alexa Fluor 532<br>Excitation Wavelength: 534 nm<br>Emission Wavelength: 553 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.

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|-----------------------------|--|
| <b>Immunocytochemistry</b>  | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b> | 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

Abelson Interactor 1 (ABI1) is an adaptor protein involved in cytoskeletal reorganization and EGFR signaling. Overexpression of ABI1 inhibits EGF-induced activation of Erks which negatively regulate cell growth and transformation. In the brain, ABI1 seems to regulate dendritic outgrowth and determines the shape and number of synaptic contacts of developing neurons.

#### PRODUCT SPECIFIC NOTICES

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