

#### DESCRIPTION

|                           |   |
|---------------------------|---|
| <b>Species Reactivity</b> | Mouse   |
| <b>Specificity</b>        | Detects mouse Reelin in direct ELISAs and Western blots.  |
| <b>Source</b>             | Polyclonal Goat IgG   |
| <b>Purification</b>       | Antigen Affinity-purified   |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse Reelin<br>Ala27-Met862<br>Accession # Q60841  |
| <b>Formulation</b>        | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS. |

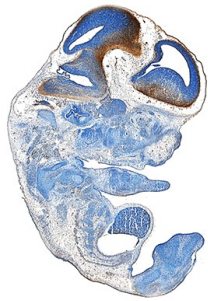
#### APPLICATIONS

**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.

|                             | <b>Recommended Concentration</b> | <b>Sample</b>            |
|-----------------------------|----------------------------------|--------------------------|
| <b>Western Blot</b>         | 0.1 µg/mL                        | Recombinant Mouse Reelin |
| <b>Immunohistochemistry</b> | 5-15 µg/mL                       | See Below                |

#### DATA

**Immunohistochemistry**



**Reelin in Mouse Embryo.** Reelin was detected in immersion fixed frozen sections of mouse embryo (13 d.p.c.) using Goat Anti-Mouse Reelin Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3820) at 1.7 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific staining was localized to developing brain. View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

#### PREPARATION AND STORAGE

|                                |  |
|--------------------------------|--|
| <b>Reconstitution</b>          | Reconstitute at 0.2 mg/mL in sterile PBS.  |
| <b>Shipping</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C   |
| <b>Stability &amp; Storage</b> | <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul> |

#### BACKGROUND

Reelin is a 400 kDa, extracellular matrix glycoprotein secreted by several neurons. It is a serine protease that degrades fibronectin and laminin. Reelin also binds lipoprotein receptor superfamily members APOER2 and VLDLR which transduce signals important for neuronal positioning during brain development and synaptic plasticity in the adult brain. In vivo, Reelin undergoes proteolytic processing at two sites, generating three Reelin fragments. The N-terminal domain binds integrin α3/β1, leading to a disruption of neuronal glial cell interactions and inhibition of neuronal migration. Mouse Reelin shares 94% and 96% amino acid identity with human and rat Reelin, respectively in the region immunized.