

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Reelin in direct ELISAs and Western blots.
Source	Monoclonal Rat IgG _{2A} Clone # 397919
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Reelin Ala27-Met862 Accession # Q60841
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

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

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.

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