

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Netrin-G2a in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse (rm) Netrin-G1a, rmNetrin-1, or rmNetrin-4 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 349724
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Netrin-G2a Asp18-Arg504 Accession # NP_598007
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunohistochemistry	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

Mouse Netrin-G2a is a member of a GPI-linked Netrin subfamily that is distantly related to classical Netrins. Netrin-G2a is approximately 485 aa in length. It contains an N-terminal laminin-related region plus a heparin-binding C-terminus that ends in a GPI-linkage. The laminin-related region shows a globular type VI domain followed by three variable-length EGF-like domains. Alternate splicing generates two larger isoforms. Amino acid insertions of 59 aa and 34 aa between EGF-like motifs 1 and 2 generate Netrin-G2b and Netrin-G2c, respectively. Mature mouse Netrin-G2a shares 96% and 99% aa identity with human Netrin-G2 and the equivalent region in rat Netrin-G2b, respectively.

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