Mouse Netrin-G2a Antibody

Antigen Affinity-purified Polyclonal Goat IgG

Catalog Number: AF2744

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Netrin-G2a in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant mouse (rm) Netrin-1, rmNetrin-G1a, and rmNetrin-4 is observed and less than 1% cross-reactivity with recombinant chicken Netrin-2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Netrin-G2a Asp18-Arg504 Accession # NP_598007
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *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.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse Netrin-G2a

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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 amino acids (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.

PRODUCT SPECIFIC NOTICES

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U.S. Patent # 5,565,331, 6,096,866, 6,017,714, 6,309,638, 6,670,451, and other U.S. and international patents pending.

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