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RGMa Anti-Rat Rabbit IgG Affinity Purify

多克隆抗体

产品货号: PA01326

第三版

描述:RGMa (Repulsive Guidance Molecule a) is a GIP-anchored protein, about 33 kDa, and it is implicated in axonal guidance and neural tube closure of embryonic retina (ref. 1, 2, 3). It has reported as a potent inhibitor of axonal regeneration in the adult central nervous system (CNS). It is speculated that RGMa inhibits neurite outgrowth by activating the RhoA-Rho kinase signaling pathway in vitro. While, it has reported that, in a rat SCI (spinal cord injury) model, neurite outgrowth is enhanced by administration of anti-RGMa antibody to lesion site, resulting they are improved in motor functional recovery (ref. 4). Thus function analysis of RGMa is attracting attention in a research field of axonal regeneration of CNS. This antibody detects rat RGMa and can be used for western blotting, immuno-precipitation and FACS analysis. And it is also reported that administration of the antibody to cerebellar granule cells of 6 - 8 days-old rat, in vitro, neutralizes RGMa-dependent inhibition of neurite outgrowth (ref. 4).

抗原:Synthetic peptide of a part of Rat RGMa (DFQAFRANAESP RR)

配方:Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN₃

如何使用:加1ml超纯水重溶

稳定性: -20 ° C保存条件下，冻干粉,保质期为五年；液体，保质期为两年。

稀释液:PBS (pH7.4) ， 1% BSA

应用:WB 1 ~ 5 μg/ml.

特异性:Reacts with rat RGMa (confirmed by western blotting with transfectant).