

ABG136133: Contactin 1 Antibody (41)

Clonality :	Monoclonal
Clone Name :	41
Application :	WB,IF
Reactivity :	Rat,Mouse,Human
Alternative Name :	Contactin 1
Isotype :	IgG1

Description

Contactin 1 Antibody (41) is an IgG₁ mouse monoclonal Contactin 1 antibody (also designated Contactin 1 antibody) that detects the Contactin 1 protein of mouse, rat and human origin by WB, IP and IF. Contactin 1 Antibody (41) is available as the non-conjugated anti-Contactin 1 antibody. Changes in synaptic efficacy can mediate crucial processes during learning and memory formation. Accumulating evidence implicates cell adhesion molecules in activity-dependent synaptic modifications associated with paired-pulse facilitation (PPF), long-term potentiation (LTP) and long-term depression (LTD). Among the cell adhesion molecules involved in these processes are the contactins. Contactins are immunoglobulin superfamily members that play a selective role in synaptic plasticity, PPF and LTD, and may regulate cell-cell interactions contributing to synaptic plasticity in conjunction with other synapse targeting molecules, including paranodin and phosphacan. In addition, contactins are essential components that control expression and distribution of Na⁺ channels in neurons, junctional attachment at the paranode, and ultimately the physiology of the myelinated nerve. The human Contactin 1 gene encodes a 1,018 amino acid protein. The human Contactin 3 gene encodes a 646 amino acid plasmacytoma-associated neuronal glycoprotein. The human Contactin 5 gene encodes a 1,100 amino acid neural adhesion molecule. The human Contactin 6 gene encodes a 1,028 amino acid neural adhesion molecule.

Product Info

Amount : 200 µg/ml

Content : Each vial contains 200 µg IgG1 in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin

Amino Acid : 77-238