

### **Contactin 1 Polyclonal Antibody**

**Catalog # AP73305** 

### **Specification**

# **Contactin 1 Polyclonal Antibody - Product Information**

Application WB
Primary Accession Q12860

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

# **Contactin 1 Polyclonal Antibody - Additional Information**

**Gene ID 1272** 

**Other Names** 

CNTN1; Contactin-1; Glycoprotein gp135; Neural cell surface protein F3

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

**Format** 

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions** 

-20°C

# **Contactin 1 Polyclonal Antibody - Protein Information**

## Name CNTN1

#### **Function**

Contactins mediate cell surface interactions during nervous system development. Involved in the formation of paranodal axo-glial junctions in myelinated peripheral nerves and in the signaling between axons and myelinating glial cells via its association with CNTNAP1. Participates in oligodendrocytes generation by acting as a ligand of NOTCH1. Its association with NOTCH1 promotes NOTCH1 activation through the released notch intracellular domain (NICD) and subsequent translocation to the nucleus. Interaction with TNR induces a repulsion of neurons and an inhibition of neurite outgrowth (By similarity).

### **Cellular Location**

[Isoform 1]: Cell membrane; Lipid-anchor, GPI- anchor; Extracellular side

### **Tissue Location**

Strongly expressed in brain and in neuroblastoma and retinoblastoma cell lines. Lower levels of expression in lung, pancreas, kidney and skeletal muscle.

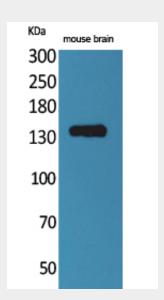


# **Contactin 1 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **Contactin 1 Polyclonal Antibody - Images**



Western Blot analysis of mouse brain cells using Contactin 1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

### Contactin 1 Polyclonal Antibody - Background

Contactins mediate cell surface interactions during nervous system development. Involved in the formation of paranodal axo-glial junctions in myelinated peripheral nerves and in the signaling between axons and myelinating glial cells via its association with CNTNAP1. Participates in oligodendrocytes generation by acting as a ligand of NOTCH1. Its association with NOTCH1 promotes NOTCH1 activation through the released notch intracellular domain (NICD) and subsequent translocation to the nucleus. Interaction with TNR induces a repulsion of neurons and an inhibition of neurite outgrowth (By similarity).