

## **Contactin 1 Polyclonal Antibody**

Catalog No: YT5122

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;ELISA

Target: Contactin 1

Fields: >>Cell adhesion molecules

Gene Name: CNTN1

Protein Name: Contactin-1

Human Gene Id: 1272

**Human Swiss Prot** 

Q12860

P12960

No:

Mouse Gene Id: 12805

**Mouse Swiss Prot** 

No:

**Rat Gene Id:** 117258

Rat Swiss Prot No: Q63198

**Immunogen:** Synthesized peptide derived from the N-terminal region of human Contactin 1.

Specificity: Contactin 1 Polyclonal Antibody detects endogenous levels of Contactin 1

protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

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**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

1 mg/ml **Concentration:** 

-15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:** 

Observed Band: 113kD

Cell adhesion molecules (CAMs); Cell Pathway:

**Background:** The protein encoded by this gene is a member of the immunoglobulin

> superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been

found for this gene. [provided by RefSeg, Dec 2011].

**Function:** disease:Defects in CNTN1 are the cause of Compton-North congenital

> myopathy [MIM:612540]. Compton-North congenital myopathy is a familial lethal form of congenital onset muscle weakness, inherited in an autosomal-recessive fashion and characterized by a secondary loss of beta2-syntrophin and alphadystrobrevin from the muscle sarcolemma, central nervous system involvement, and fetal akinesia., 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 nucl

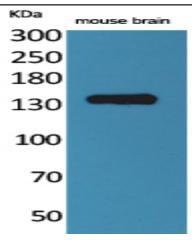
Subcellular Location:

[Isoform 1]: Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side.; [Isoform 2]: Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side.

Strongly expressed in brain and in neuroblastoma and retinoblastoma cell lines. **Expression:** 

Lower levels of expression in lung, pancreas, kidney and skeletal muscle.

## **Products Images**



Western Blot analysis of mouse brain cells using Contactin 1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000