

产品名称: Contactin 1 Rabbit Polyclonal Antibody
产品货号: AP Rab09240



产品概述 (Summary)

产品名称 (Production Name)	Contactin 1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CNTN1
别名 (Alternative Names)	CNTN1; Contactin-1; Glycoprotein gp135; Neural cell surface protein F3
基因 ID (Gene ID)	1272.0
蛋白 ID (SwissProt ID)	Q12860.Synthesized peptide derived from the N-terminal region of human Contactin 1.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	113kDa

研究背景 (Background)

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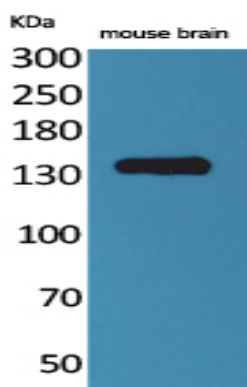


The protein encoded by this gene is a member of the immunoglobulin superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],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 alpha-dystrobrevin 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 nucleus. Interaction with TNFR induces a repulsion of neurons and an inhibition of neurite outgrowth.,similarity:Belongs to the immunoglobulin superfamily. Contactin family.,similarity:Contains 4 fibronectin type-III domains.,similarity:Contains 6 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Monomer. Interacts with CNTNAP1 in cis form. Binds to the carbonic-anhydrase like domain of protein-tyrosine phosphatase zeta. Interacts with NOTCH1 and TNFR.,tissue specificity:Strongly expressed in brain and in neuroblastoma and retinoblastoma cell lines. Lower levels of expression in lung, pancreas, kidney and skeletal muscle.,

研究领域 (Research Area)

Cell adhesion molecules (CAMs);

图片 (Image Data)



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

注意事项 (Note)

For research use only .