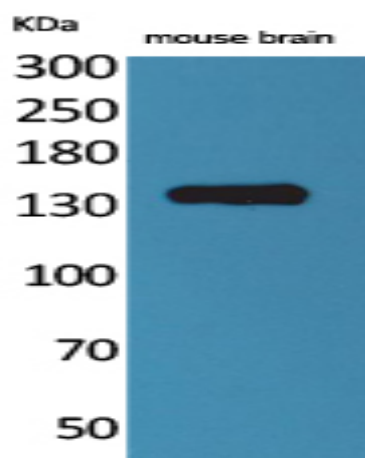


## Contactin 1 Polyclonal Antibody

<b>Catalog No :</b>	YT5122
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Contactin 1
<b>Fields :</b>	>>Cell adhesion molecules
<b>Gene Name :</b>	CNTN1
<b>Protein Name :</b>	Contactin-1
<b>Human Gene Id :</b>	1272
<b>Human Swiss Prot No :</b>	Q12860
<b>Mouse Gene Id :</b>	12805
<b>Mouse Swiss Prot No :</b>	P12960
<b>Rat Gene Id :</b>	117258
<b>Rat Swiss Prot No :</b>	Q63198
<b>Immunogen :</b>	Synthesized peptide derived from the N-terminal region of human Contactin 1.
<b>Specificity :</b>	Contactin 1 Polyclonal Antibody detects endogenous levels of Contactin 1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	113kD
<b>Cell Pathway :</b>	Cell adhesion molecules (CAMs);
<b>Background :</b>	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],
<b>Function :</b>	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 nucl
<b>Subcellular Location :</b>	[Isoform 1]: Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side.; [Isoform 2]: Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side.
<b>Expression :</b>	Strongly expressed in brain and in neuroblastoma and retinoblastoma cell lines. Lower levels of expression in lung, pancreas, kidney and skeletal muscle.
<b>Sort :</b>	4430
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

## Products Images



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