SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CNTN5 antibody

Catalog Number: SL11453R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CNTN5
Immunogen:	KLH conjugated synthetic peptide derived from human Contactin 5: 801-900/1100
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Horse, Rabbit, Sheep)
Predicted MW.:	119kDa
Subcellular Location:	The cell membrane
Background:	The protein encoded by this gene is a member of the immunoglobulin superfamily, and contactin family, which mediate cell surface interactions during nervous system development. This protein 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. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]. **Function:** CNTN5 is a member of the immunoglobulin superfamily.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Contactins mediate cell surface interactions during the development of the nervous system. CNTN5 has some neurite outgrowth-promoting activity in the cerebral cortical neurons but not in hippocampal neurons and is most likely involved in neuronal activity in the auditory system. **Subcellular Location:** Cell membrane; Lipid-anchor, GPI-anchor. **Tissue Specificity:** Expressed in brain and kidney and at very low level in placenta. Not expressed in other tissues. In brain, it is highly expressed in the occipital lobe, amygdala, cerebral cortex, frontal lobe, thalamus and temporal lobe. Expressed at moderate level in the cerebellum, substantia nigra, putamen, medulla and hippocampus. Weakly expressed in the spinal cord and caudate nucleus. Weakly or not expressed in the corpus callosum. **Similarity:** Belongs to the immunoglobulin superfamily. Contactin family. Contains 4 fibronectin type-III domains. Contains 6 Ig-like C2-type (immunoglobulin-like) domains. **Database links:** **Entrez Gene:** 53942 Human **Entrez Gene:** 244682 Mouse **Entrez Gene:** 114589 Rat Omim: 607219 Human **SwissProt:** O94779 Human **SwissProt:** P68500 Mouse **SwissProt:** P97527 Rat

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