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Anti-Contactin 4 Antibody

Catalog # AP54099

Product Information

Application	WB, IF/IC
Primary Accession	Q8IWV2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113454

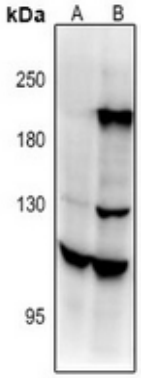
Additional Information

Gene ID	152330
Other Names	Contactin-4; Brain-derived immunoglobulin superfamily protein 2; BIG-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Contactin 4. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

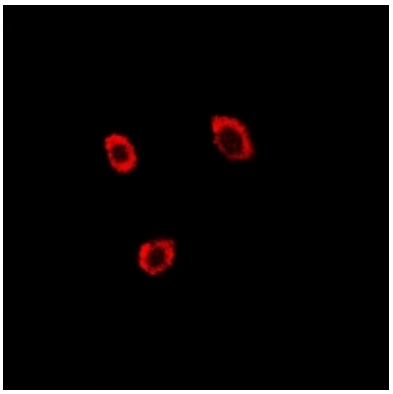
Protein Information

Name	CNTN4
Function	Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity. May be involved in synaptogenesis.
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Secreted
Tissue Location	Mainly expressed in brain. Highly expressed in cerebellum and weakly expressed in corpus callosum, caudate nucleus, amygdala and spinal cord. Also expressed in testis, pancreas, thyroid, uterus, small intestine and kidney. Not expressed in skeletal muscle Isoform 2 is weakly expressed in cerebral cortex

Images



Western blot analysis of Contactin 4 expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 113 kD; Observed band size: 113 kD)



Immunofluorescent analysis of Contactin 4 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.