Anti-Contactin 4 Antibody

Catalog # AP54099

Product Information

Application	WB, IF
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~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

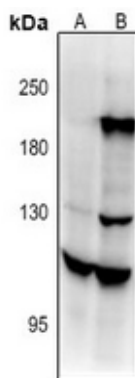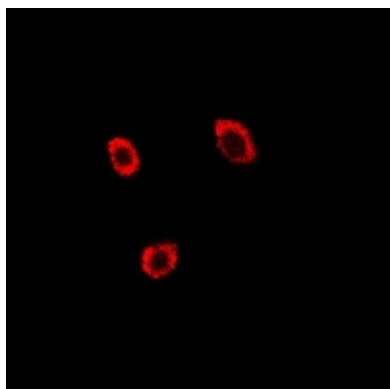|	
Name	CNTN4
Function	Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity. May be involved in synaptogenesis.
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Secreted
Tissue Location	Mainly expressed in brain. Highly 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

Background

Rabbit polyclonal antibody to Contactin 4

Images

Western blot analysis of Contactin 4 expression in mouse brain (A), rat brain (B) whole cell lysates.

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.