

Recombinant Anti-Contactin 2 Rabbit mAb

Catalog # AP95249

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q02246
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal
Calculated MW	113393

Additional Information

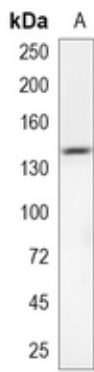
Gene ID	6900
Other Names	AXT; TAG1; TAX1; Contactin-2; Axonal glycoprotein TAG-1; Axonin-1; Transient axonal glycoprotein 1; TAX-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Contactin 2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

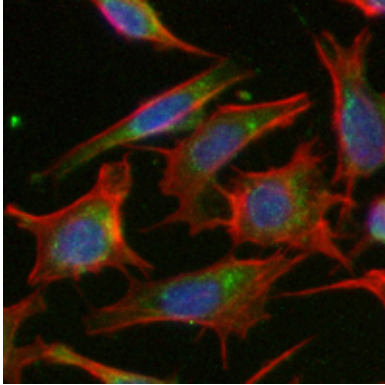
Name	CNTN2
Synonyms	AXT, TAG1, TAX1
Function	In conjunction with another transmembrane protein, CNTNAP2, contributes to the organization of axonal domains at nodes of Ranvier by maintaining voltage-gated potassium channels at the juxtaparanodal region. May be involved in cell adhesion.
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Note=Attached to the neuronal membrane by a GPI-anchor and is also released from neurons

Images

Western blot analysis of Contactin 2 expression in U87MG



(A) whole cell lysates. (Predicted band size: 113 kD; Observed band size: 135 kD)



Immunofluorescent analysis of Contactin 2 staining in U87MG 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 humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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