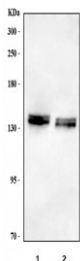


NCAN Antibody / Neurocan (RQ7096)

Catalog No.	Formulation	Size
RQ7096	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O14594
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This NCAN antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with NCAN antibody. Predicted molecular weight ~143 kDa (unmodified), up to ~250 kDa (fully glycosylated).

Description

Neurocan core protein is a protein that in humans is encoded by the NCAN gene. Neurocan is a member of the lectican / chondroitin sulfate proteoglycan protein families and consists of neurocan core protein and chondroitin sulfate. It is thought to be involved in the modulation of cell adhesion and migration. In the human subjects, it was found that NCAN genotype was strongly associated with manic symptoms but not with depressive symptoms. In the mice, the absence of functional Neurocan resulted in a variety of manic-like behaviors, which could be normalized by administering lithium.

Application Notes

Optimal dilution of the NCAN antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids H1140-A1179) was used as the immunogen for the NCAN antibody.

Storage

After reconstitution, the NCAN antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.