10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Neurocan Antibody

Catalog # AP51807

Product Information

Application	WB, IHC
Primary Accession	O14594
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	143093

Additional Information

Gene ID	1463
Other Names	CSPG3; NEUR; Neurocan core protein; Chondroitin sulfate proteoglycan 3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Neurocan. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
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

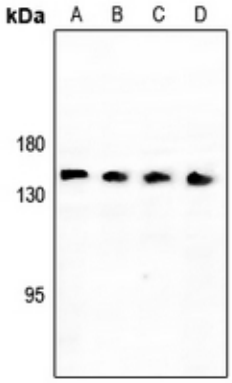
Name	NCAN
Synonyms	CSPG3, NEUR
Function	May modulate neuronal adhesion and neurite growth during development by binding to neural cell adhesion molecules (NG-CAM and N- CAM). Chondroitin sulfate proteoglycan; binds to hyaluronic acid.
Cellular Location	Secreted.
Tissue Location	Detected in cerebrospinal fluid (at protein level) (PubMed:25326458). Brain.

References

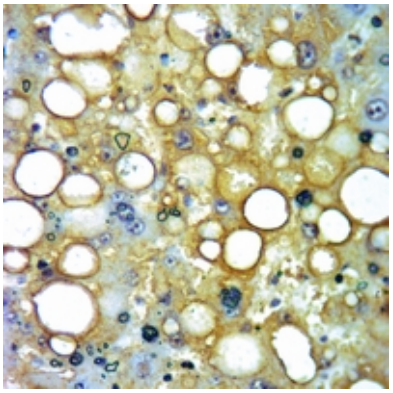
Prange C.K.,et al.Gene 221:199-205(1998).
Grimwood J.,et al.Nature 428:529-535(2004).

Halim A.,et al.J. Proteome Res. 12:573-584(2013).

Images



Western blot analysis of Neurocan expression in CT26 (A), HCT116 (B), MCF7 (C), HepG2 (D) whole cell lysates. (Predicted band size: 143 kD; Observed band size: 143 kD)



Immunohistochemical analysis of Neurocan staining in human tonsillitis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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