

Product Name: Neuroglycan C Rabbit Polyclonal Antibody
Catalog #: APRab14610

Summary

Production Name	Neuroglycan C Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CSPG5
Alternative Names	CSPG5; CALEB; NGC; Chondroitin sulfate proteoglycan 5; Acidic leucine-rich EGF-like domain-containing brain protein; Neuroglycan C
Gene ID	10675.0
SwissProt ID	O95196.The antiserum was produced against synthesized peptide derived from human CSPG5. AA range:211-260

Application

Dilution Ratio	WB 1:500-2000, IHC-P 1:50-300
Molecular Weight	60kDa

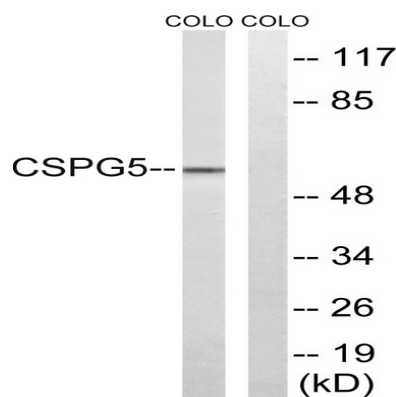
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Background

The protein encoded by this gene is a proteoglycan that may function as a neural growth and differentiation factor. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011], developmental stage: Expressed in brain of 3 months, 5 and 10-year-old individuals., function: May function as a growth and differentiation factor involved in neuritogenesis. May induce ERBB3 activation., miscellaneous: Different forms of various molecular weight have been observed. Such forms are possibly due to different levels of glycosylation, phosphorylation and/or protein cleavage., PTM: N-glycosylated., PTM: O-glycosylated; contains chondroitin sulfate glycans. Part-time proteoglycan, expressed in part as a proteoglycan exhibiting chondroitin sulfate glycans and in part as a non-proteoglycan form. The relative amount of both forms depends on tissues and tissues maturation., PTM: Phosphorylated; in intracellular and extracellular parts., similarity: Contains 1 EGF-like domain., subcellular location: In neurons, localizes to synaptic junctions (By similarity). Also detected in the endoplasmic reticulum and the Golgi (By similarity). Partially enriched in lipid rafts., subunit: Binds TNR and probably TNC (By similarity). Interacts with ERBB3 and GOPC., tissue specificity: Restricted to brain (at protein level),.

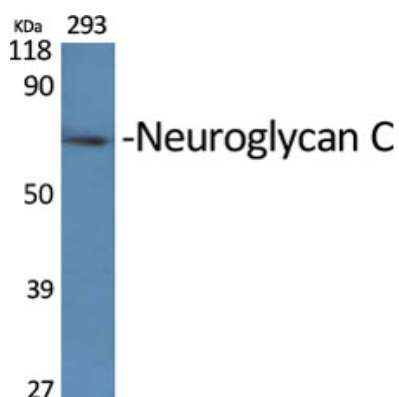
Research Area

Image Data

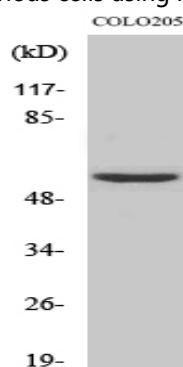


Western blot analysis of lysates from COLO and HeLa cells, using CSPG5 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Neuroglycan C Polyclonal Antibody



Western Blot analysis of HeLa cells using Neuroglycan C Polyclonal Antibody

Note

For research use only.