

Neuroglycan C Polyclonal Antibody

Catalog No: YT3066

Reactivity: Human; Mouse; Rat

Applications: WB;IHC

Target: Neuroglycan C

Gene Name: CSPG5

Protein Name: Chondroitin sulfate proteoglycan 5

O95196

Q71M36

Human Gene Id: 10675

Human Swiss Prot

No:

Mouse Gene Id: 29873

Mouse Swiss Prot

No:

Rat Gene ld: 50568

Rat Swiss Prot No: Q9ERQ6

Immunogen: The antiserum was produced against synthesized peptide derived from human

CSPG5. AA range:211-260

Specificity: Neuroglycan C Polyclonal Antibody detects endogenous levels of Neuroglycan C

protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000;IHC 1:50-300

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability : _-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 60kD

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],

Function: 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 reti

Subcellular Location:

Cell membrane; Single-pass type I membrane protein. Cell junction, synapse, synaptic cell membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Cell surface. In neurons, localizes to synaptic junctions. Also detected in the endoplasmic reticulum and the Golgi. Partially enriched in lipid rafts.

Expression: Restricted to brain (at protein level).

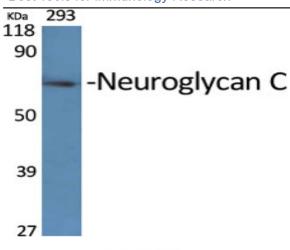
Sort : 10720

No4:

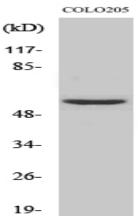
Host: Rabbit

Modifications: Unmodified

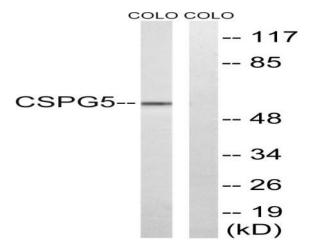
Products Images



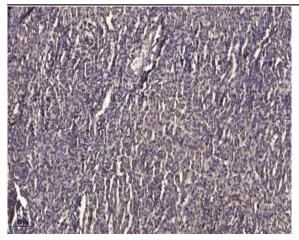
Western Blot analysis of various cells using Neuroglycan C Polyclonal Antibody



Western Blot analysis of HeLa cells using Neuroglycan C Polyclonal Antibody



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



Immunohistochemical analysis of paraffin-embedded human meningioma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).