



Tenascin-C Rabbit mAb

Catalog No	YP-rAb-17263
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	TNC
Protein Name	Tenascin
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:500-1:2000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	TNC ; HXB ; Tenascin ; TN ; Cytotactin ; GMEM ; GP 150-225 ; Glioma-associated-extracellular matrix antigen ; Hexabrachion ; JI ; Myotendinous antigen ; Neuronectin ; Tenascin-C ; TN-C
Observed Band	270kD
Calculated Molecular Weight	241kD
Cell Pathway	Secreted, extracellular space, extracellular matrix.
Tissue Specificity	Brain,Fetal brain,Fetal cartilage,Glioblastoma,Human fetal kidney,Liver,Melanoma,Milk,Plasma,
Function	Alternative products:Isoforms are produced in a tissue- and time-specific manner during development,Function:Extracellular matrix protein implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity as well as neuronal regeneration. Promotes neurite outgrowth from cortical neurons grown on a monolayer of astrocytes. Ligand for integrins alpha-8/beta-1, alpha-9/beta-1, alpha-V/beta-3 and alpha-V/beta-6.,induction:By TGF-beta.,PTM:N-glycosylated.,similarity:Belongs to the tenascin family.,similarity:Contains 1 fibrinogen C-terminal domain.,similarity:Contains 15 EGF-like domains.,similarity:Contains 15 fibronectin type-III domains.,subunit:Homohexamer; disulfide-linked. A homotrimer may be formed in the triple coiled-coil region and may be stabilized by disulfide rings at both ends.

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Two of such half-hexabrachions may be disulfide linked within the central globule. Interacts with CSPG4.,

Background

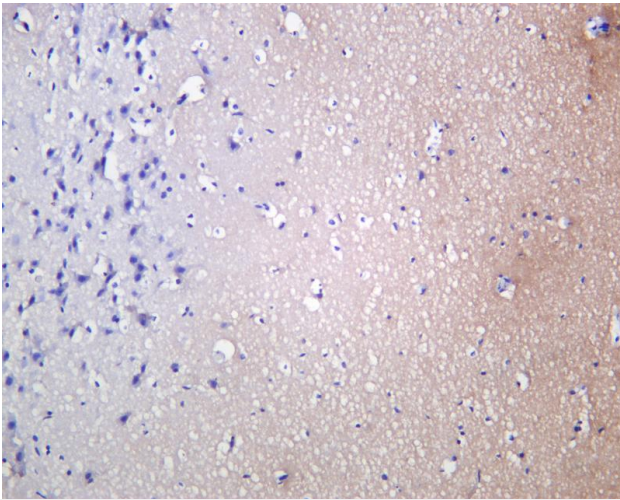
tenascin C(TNC) Homo sapiens This gene encodes an extracellular matrix protein with a spatially and temporally restricted tissue distribution. This protein is homo-hexameric with disulfide-linked subunits, and contains multiple EGF-like and fibronectin type-III domains. It is implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity, and neuronal regeneration. [provided by RefSeq, Jul 2011],

matters needing attention

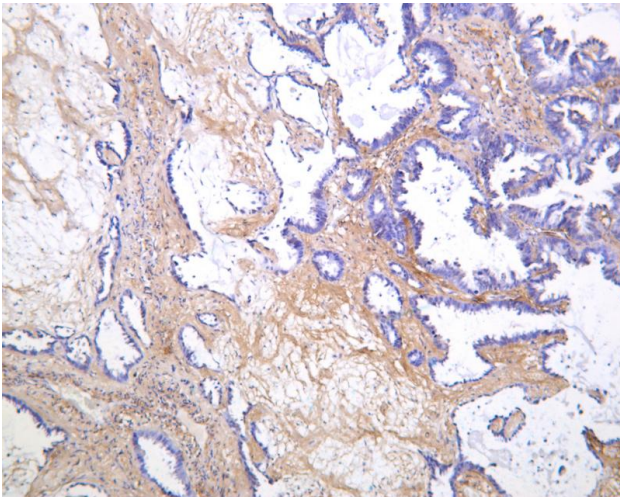
Avoid repeated freezing and thawing!

Usage suggestions

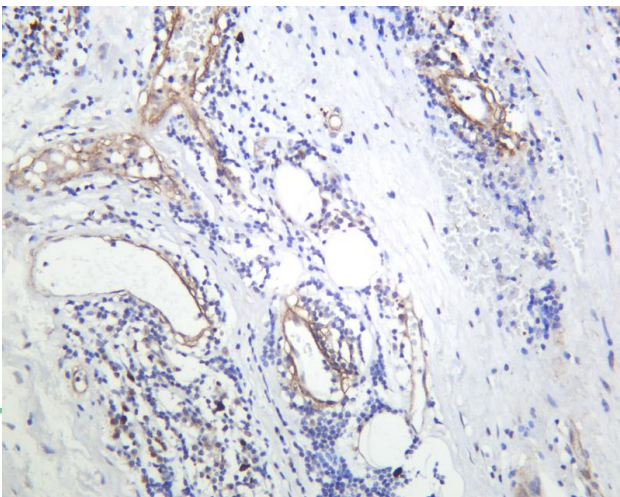
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Rat brain was stained with anti-Tenascin-C Rabbit antibody



Human lung cancer was stained with anti-Tenascin-C Rabbit antibody



Human tonsil was stained with anti-Tenascin-C Rabbit antibody





Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-Tenascin-C antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: U87-MG Predicted band size: 241kDa Observed band size: 270kDa

