

Allgemeine Informationen

Katalog-Nr.: 19730-1-AP	GenBank-Zugangsnummer: NM_003285	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 500 µg/ml von Nanodrop und 207 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 7143	Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:20-1:200
Wirt: Kaninchen	Vollständiger Name: tenascin R (restrictin, janusin)	
Isotyp: IgG	Berechnete Masse: 150 kDa	
	Beobachtete Masse: 180 kDa, 160 kDa	

Anwendungen

Geprüfte Anwendungen: IHC, WB,ELISA	Positivkontrollen: WB : humanes Hirngewebe, SH-SY5Y-Zellen IHC : humanes Hirngewebe,
In Publikationen genannte Anwendungen: IHC, WB	
Getestete Reaktivität: Human	
Zitierte Arten: Human	
Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

TNR, also named as Restrictin and Janusin, belongs to the tenascin family. Neural extracellular matrix (ECM) protein involved in interactions with different cells and matrix components. These interactions can influence cellular behavior by either evoking a stable adhesion and differentiation, or repulsion and inhibition of neurite growth. Binding to cell surface gangliosides, TNR inhibits RGD-dependent integrin-mediated cell adhesion and results in an inhibition of PTK2 (FAK) phosphorylation and cell detachment. Binding to membrane surface sulfatides, TNR results in a oligodendrocyte adhesion and differentiation. Interaction with CNTN1, TNR induces a repulsion of neurons and an inhibition of neurite outgrowth. Interacts with SCN2B, TNR may play a crucial role in clustering and regulation of activity of sodium channels at nodes of Ranvier. TNR-linked chondroitin sulfate glycosaminoglycans are involved in the interaction with FN1 and mediate inhibition of cell adhesion and neurite outgrowth. The highly regulated addition of sulfated carbohydrate structure may modulate the adhesive properties of TNR over the course of development and during synapse maintenance. The antibody is specific to TNR.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xiang-Xu Wang	35493457	Front Immunol	WB,IHC

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

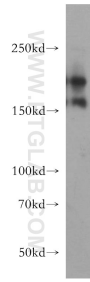
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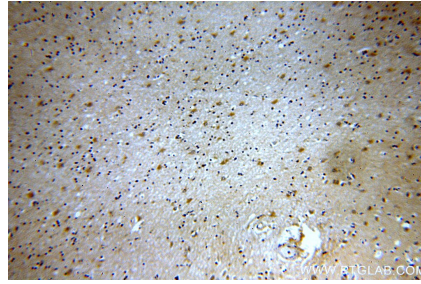
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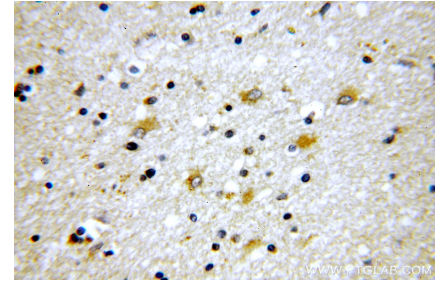
Ausgewählte Validierungsdaten



human brain tissue were subjected to SDS PAGE followed by western blot with 19730-1-AP (Tenascin-R antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 19730-1-AP (Tenascin-R antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 19730-1-AP (Tenascin-R antibody) at dilution of 1:100 (under 40x lens).