

**产品名称: Tenascin-R Rabbit Polyclonal Antibody**  
**产品货号: APRab18790**



## 产品概述 (Summary)

|                        |                                       |
|------------------------|---------------------------------------|
| 产品名称 (Production Name) | Tenascin-R Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody            |
| 宿主 (Host)              | Rabbit                                |
| 应用 (Application)       | IHC, ICC, IF, ELISA                   |
| 种属反应性 (Reactivity)     | Human, Mouse, Rat                     |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                     |
|------------------------|---------------------------------------------------------------------|
| 基因名 (Gene Name)        | TNR                                                                 |
| 别名 (Alternative Names) | Tenascin-R (TN-R; Janusin; Restrictin)                              |
| 基因 ID (Gene ID)        | 7143.0                                                              |
| 蛋白 ID (SwissProt ID)   | Q92752. Synthetic peptide from human protein at AA range: 1270-1350 |

## 产品应用 (Application)

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | IHC 1:50-1:200, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000 |
| 蛋白分子量 (Molecular Weight) |                                                          |

## 研究背景 (Background)

tenascin R(TNR) Homo sapiens This gene encodes a member of the tenascin family of extracellular matrix glycoproteins.

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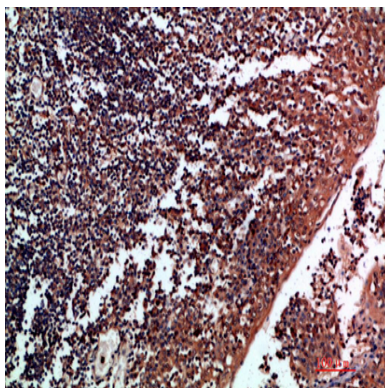


The encoded protein is restricted to the central nervous system. The protein may play a role in neurite outgrowth, neural cell adhesion and modulation of sodium channel function. It is a constituent of perineuronal nets. [provided by RefSeq, Aug 2013],domain:The EGF-like domains mediate interaction with CNTN1. The fibronectin type-III domains 3-5 mediate interaction with BCAN. The fibronectin type-III domains 1-2 and 7-9 mediate interaction with SCN2B.,function: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 inhibits RGD-dependent integrin-mediated cell adhesion and results in an inhibition of PTK2 (FAK) phosphorylation and cell detachment. Binding to membrane surface sulfatides results in a oligodendrocyte adhesion and differentiation. Interaction with CNTN1 induces a repulsion of neurons and an inhibition of neurite outgrowth. Interacts with SCN2B 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.,PTM:Contains N-linked oligosaccharides, O-linked sialylated structures and O-linked chondroitin sulfate glycosaminoglycans. Contains N-linked oligosaccharides with a sulfated carbohydrate structure.,similarity:Belongs to the tenascin family.,similarity:Contains 1 fibrinogen C-terminal domain.,similarity:Contains 5 EGF-like domains.,similarity:Contains 9 fibronectin type-III domains.,subunit:Forms oligomers. Interacts with CNTN1, TNC, and FN1. Interacts with BCAN and AGC1 in a calcium-dependent manner. Interacts with SCN2B, PTPRZ1, and CSPG3.,tissue specificity:Brain specific.,

## 研究领域 (Research Area)

Focal adhesion;ECM-receptor interaction;

## 图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human-tonsil, antibody was diluted at 1:200

## 注意事项 (Note)

For research use only .

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