abcam

Product datasheet

Anti-TNR antibody ab121916

★★★☆☆ **1 Abreviews** **1 References**   2 图像

概述

产品名称	Anti-TNR抗体
描述	兔多克隆抗体to TNR
宿主	Rabbit
经测试应用	**适用于:** ICC/IF, IHC-P
种属反应性	**与反应:** Human
免疫原	antigen: QGLQFKTITE TTVEVQWEPF SFSFDGWEIS FIPKNNEGGV IAQVPSDVTS FNQTGLKPGE EYIVNVVALK, corresponding to amino acids 419-488 of Human TNR.

Run BLAST with ExPASy   **Run BLAST with** NCBI

阳性对照	U 251MG cells; Human hippocampus tissue.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

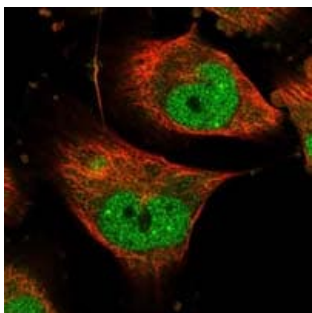| 应用	Ab评论	说明
ICC/IF		Use a concentration of 1 - 4 µg/ml. using PFA/Triton X-100 Fixation/Permeabilization.
IHC-P		1/600. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能	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.
组织特异性	Brain specific.
序列相似性	Belongs to the tenascin family. Contains 5 EGF-like domains. Contains 1 fibrinogen C-terminal domain. Contains 9 fibronectin type-III domains.
结构域	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.
翻译后修饰	Contains N-linked oligosaccharides, O-linked sialylated structures and O-linked chondroitin sulfate glycosaminoglycans. Contains N-linked oligosaccharides with a sulfated carbohydrate structure (By similarity). O-glycosylated on Thr-36 or Thr-37 with a core 1 or possibly core 8 glycan.
细胞定位	Secreted > extracellular space > extracellular matrix.

图片

ab121916, at 1/600 dilution, staining TNR in paraffin embedded Human hippocampus tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TNR antibody (ab121916)

ab121916, at 4 µg/ml, staining TNR in PFA/Triton X-100 fixed/permeabilized U 251MG cells by Immunofluorescence (green).

Immunocytochemistry/ Immunofluorescence - Anti-TNR antibody (ab121916)

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