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# anti-Tenascin R antibody (AA 1231-1319)





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## Overview

Quantity:	100 μg
Target:	Tenascin R (TNR)
Binding Specificity:	AA 1231-1319
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tenascin R antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

# **Product Details**

Immunogen:	Recombinant Human Tenascin-R protein (1231-1319AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

# Target Details

Target:	Tenascin R (TNR)
Alternative Name:	TNR (TNR Products)
Background:	Background: 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/FAK1 (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 (By similarity).

Aliases: Janusin antibody, MGC149328 antibody, Restrictin antibody, Tenascin R (restrictin, janusin) antibody, Tenascin-R antibody, TENR\_HUMAN antibody, TN-R antibody, Tnr antibody

UniProt:

Q92752

Pathways:

Regulation of Cell Size

# **Application Details**

Application Notes:

Recommended dilution: IHC:1:500-1:1000,

Restrictions:

For Research Use only

# Handling

Format:

Liquid

Buffer:

Preservative: 0.03 % Proclin 300

Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative:

ProClin

Precaution of Use:

This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

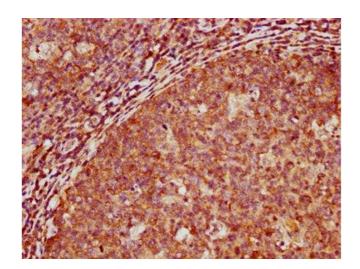
handled by trained staff only.

Storage:

-20 °C,-80 °C

Storage Comment:

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### **Immunohistochemistry**

**Image 1.** IHC image of ABIN7171750 diluted at 1:500 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.