

For Research Use Only

# TNC/Tenascin-C Monoclonal antibody



Catalog Number: 67710-1-Ig **6 Publications**

## Basic Information

<b>Catalog Number:</b> 67710-1-Ig	<b>GenBank Accession Number:</b> BC151843	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1100 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3371	<b>CloneNo.:</b> 1F7G8
<b>Source:</b> Mouse	<b>Full Name:</b> tenascin C	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 2201 aa, 241 kDa	
<b>Immunogen Catalog Number:</b> AG21412	<b>Observed MW:</b> 260 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB :</b> rat brain tissue, HEK-293 cells, rat cerebellum tissue, mouse brain tissue
<b>Species Specificity:</b> Human, Mouse, Rat	<b>IHC :</b> human breast cancer tissue, human liver cancer tissue, human lung cancer tissue, mouse brain tissue, rat brain tissue
<b>Cited Species:</b> human, rat, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Tenascin-C (TNC) is a large hexameric extracellular matrix glycoprotein of the tenascin family (PMID: 21818551). It is a multimodular protein containing multiple epidermal growth factor (EGF)-like repeats and fibronectin type III (FN III) domains (PMID: 1719530). Tenascin-C is highly expressed during embryonic development, particularly in the developing central nervous system, around motile cells and at epithelial-mesenchymal interaction sites (PMID: 25738825). In adult tissues, the expression and the distribution of TNC are typically limited under normal physiological conditions. It is upregulated during injury, inflammation, regeneration, and cancer (PMID: 7694605; 25120494). Tenascin-C is a diverse protein that can produce different functions including regulating cell adhesion, migration and proliferation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiangze Li	35178155	Oxid Med Cell Longev	WB,IHC
Taibang Chen	37318740	Mol Biotechnol	WB
Congsun Li	37268942	J Nanobiotechnology	IF

## Storage

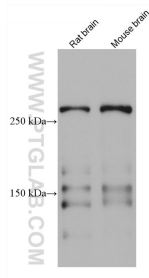
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

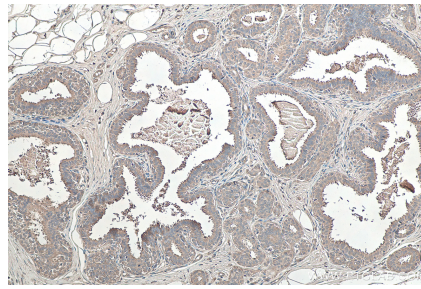
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

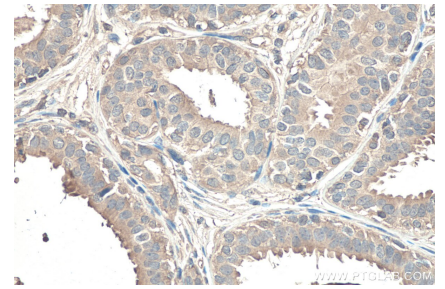
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67710-1-Ig (TNC/Tenascin-C antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67710-1-Ig (TNC/Tenascin-C antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67710-1-Ig (TNC/Tenascin-C antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).