

For Research Use Only

# TNC/Tenascin-C Polyclonal antibody, PBS Only

Catalog Number: 27789-1-PBS



## Basic Information

<b>Catalog Number:</b> 27789-1-PBS	<b>GenBank Accession Number:</b> BC151843	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3371	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P24821	
<b>Isotype:</b> IgG	<b>Full Name:</b> tenascin C	
<b>Immunogen Catalog Number:</b> AG27122	<b>Calculated MW:</b> 2201 aa, 241 kDa	
	<b>Observed MW:</b> 220-350 kDa, 190-240 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IP, Indirect ELISA

**Species Specificity:**  
human

## 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.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

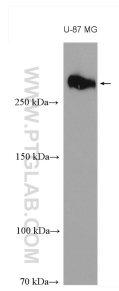
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

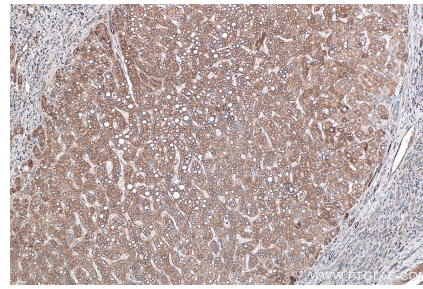
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

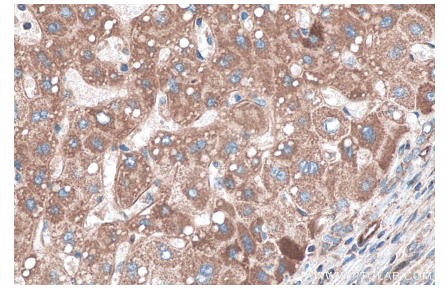
## Selected Validation Data



U-87 MG cells were subjected to SDS PAGE followed by western blot with 27789-1-AP (TNC antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27789-1-PBS in a different storage buffer formulation.



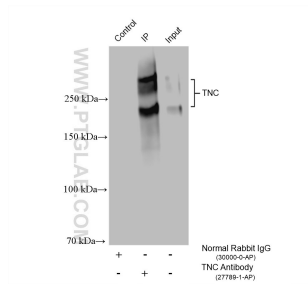
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27789-1-AP (TNC/Tenascin-C antibody) at dilution of 1:1000 (under 10x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27789-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 27789-1-AP (TNC/Tenascin-C antibody) at dilution of 1:1000 (under 40x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27789-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 27789-1-AP (TNC/Tenascin-C antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27789-1-PBS in a different storage buffer formulation.



IP result of anti-TNC/Tenascin-C (IP:27789-1-AP, 4ug; Detection:27789-1-AP 1:3000) with U-87 MG cells lysate 1400 ug. This data was developed using the same antibody clone with 27789-1-PBS in a different storage buffer formulation.