

For Research Use Only

TNC/Tenascin-C Polyclonal antibody

Catalog Number: 27789-1-AP



Basic Information

Catalog Number: 27789-1-AP	GenBank Accession Number: BC151843	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 3371	Recommended Dilutions: WB 1:500-1:1000 IHC 1:500-1:2000
Source: Rabbit	Full Name: tenascin C	
Isotype: IgG	Calculated MW: 2201 aa, 241 kDa	
Immunogen Catalog Number: AG27122		

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: Human	WB : U-87 MG cells, IHC : human liver cancer tissue, human breast cancer tissue, human lung cancer tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

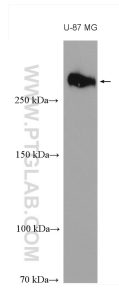
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

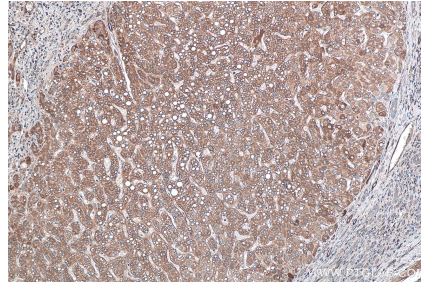
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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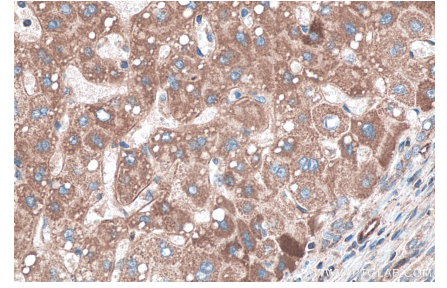
Selected Validation Data



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.



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).



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).