

TNC/Tenascin-C Monoclonal antibody

Catalog Number: 67710-1-Ig **9 Publications**

Basic Information

Catalog Number: 67710-1-Ig	GenBank Accession Number: BC151843	Purification Method: Protein G purification
Size: 1100 µg/ml	GeneID (NCBI): 3371	CloneNo.: 1F7G8
Source: Mouse	UNIPROT ID: P24821	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: tenascin C	
Immunogen Catalog Number: AG21412	Calculated MW: 2201 aa, 241 kDa Observed MW: 260 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : rat brain tissue, HEK-293 cells, rat cerebellum tissue, mouse brain tissue
Species Specificity: Human, Mouse, Rat	IHC : human breast cancer tissue, human liver cancer tissue, human lung cancer tissue, mouse brain tissue, rat brain tissue
Cited Species: human, mouse, rat	
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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiangze Li	35178155	Oxid Med Cell Longev	WB, IHC
Jun Wang	39296039	Heliyon	WB
Jianyu Gu	38945439	J Invest Dermatol	WB

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

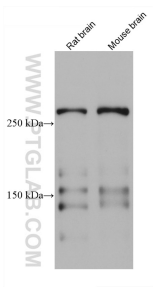
For technical support and original validation data for this product please contact:

T: 4006900926

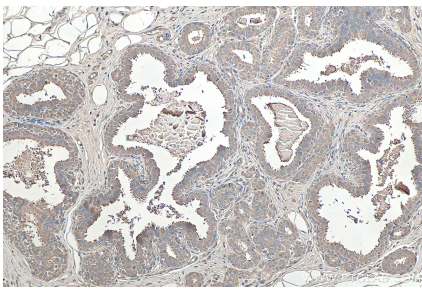
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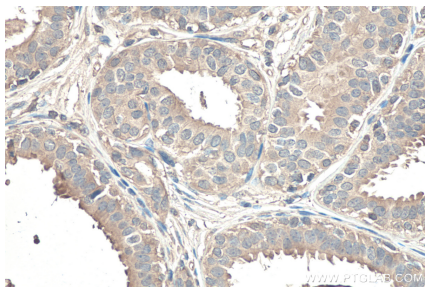
Selected Validation Data



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).