

For Research Use Only

TNC/Tenascin-C Monoclonal antibody



Catalog Number: 67710-1-Ig **6 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:
IHC, WB, ELISA

Cited Applications:
WB, IF, IHC

Species Specificity:
Human, Mouse, Rat

Cited Species:
human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : rat brain tissue, HEK-293 cells, rat cerebellum tissue, mouse brain tissue

IHC : human breast cancer tissue, human liver cancer tissue, human lung cancer tissue, mouse brain tissue, rat brain tissue

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

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

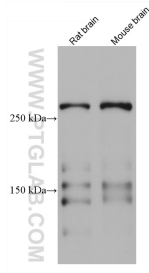
T: 4006900926

E: Proteintech-CN@ptglab.com

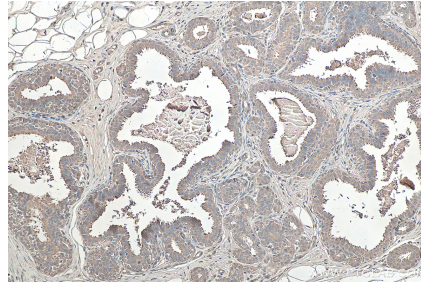
W: ptgcn.com

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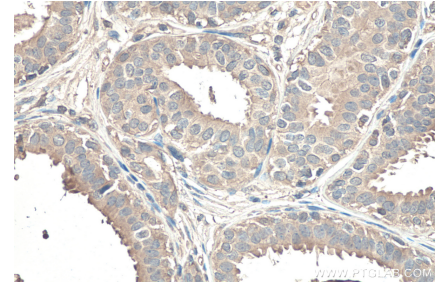
Selected Validation Data



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).