

**Tenascin C (Stromal Marker For Epithelial Malignancy) Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone T2H5 ]**  
**Catalog # AH11477**

**Specification**

**Tenascin C (Stromal Marker For Epithelial Malignancy) Antibody - With BSA and Azide -**  
**Product Information**

Application	,2,3,4,
Primary Accession	<a href="#">P24821</a>
Other Accession	<a href="#">3371</a> , <a href="#">143250</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	210kDa and 300kDa KDa

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**Additional Information**

**Gene ID** 3371

**Other Names**

Tenascin, TN, Cytotactin, GMEM, GP 150-225, Glioma-associated-extracellular matrix antigen, Hexabrachion, JI, Myotendinous antigen, Neuronectin, Tenascin-C, TN-C, TNC, HXB

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

Tenascin C (Stromal Marker For Epithelial Malignancy) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

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**Protein Information**

**Name** TNC

**Synonyms** HXB

**Function**

Extracellular matrix protein implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity as well as neuronal regeneration. Promotes neurite outgrowth from cortical neurons grown on a monolayer of astrocytes. Ligand for integrins alpha-8/beta-1, alpha-9/beta-1, alpha-V/beta-3 and alpha- V/beta-6. In tumors, stimulates angiogenesis by elongation, migration and sprouting of endothelial cells (PubMed:<a href="http://www.uniprot.org/citations/19884327" target="\_blank">19884327</a>).

**Cellular Location**

Secreted, extracellular space, extracellular matrix

#### **Tissue Location**

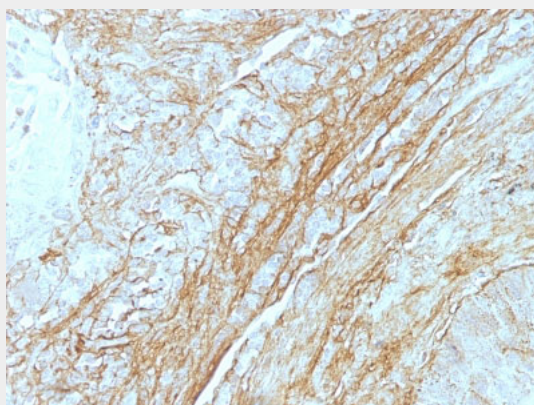
Detected in fibroblasts (at protein level).

#### **Tenascin C (Stromal Marker For Epithelial Malignancy) Antibody - With BSA and Azide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Tenascin C (Stromal Marker For Epithelial Malignancy) Antibody - With BSA and Azide - Images**



Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with **Tenascin C Monoclonal Antibody (T2H5)** at 4ug/ml. Antigen retrieval in 10mM Tris with 1mM EDTA, pH 9.0; ABC detection system with DAB Chromogen. Note staining of connective tissue.

#### **Tenascin C (Stromal Marker For Epithelial Malignancy) Antibody - With BSA and Azide - Background**

In Western blotting, it reacts with two bands of ~MW of 210kDa and 300kDa, identified as two isoforms of Tenascin C. Specificity of this MAb is validated by sequential immunoprecipitation with a PAb against Tenascin C. Tenascin C is a multifunctional, disulfide-linked hexameric extracellular matrix glycoprotein expressed in association with mesenchymal epithelial interactions during development and in the neo-vasculature and stroma of undifferentiated tumors. In adults, it is restricted to certain epithelial-stromal interfaces and increases markedly in hyper-proliferative diseases and in stroma of many neoplasms, including gliomas, breast, squamous and lung carcinomas.

#### **Tenascin C (Stromal Marker For Epithelial Malignancy) Antibody - With BSA and Azide - References**

Verstraeten AA, et. al. British Journal of Dermatology, 1992, 127(6):571-4