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

Mouse Monoclonal Antibody [Clone SPM319]
Catalog # AH11480

Specification

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

Application	**,2,3,4,**
Primary Accession	P24821
Other Accession	3371, 143250
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1, kappa**
Calculated MW	**210kDa and 300kDa KDa**

Tenascin C (Stromal Marker For Epithelial Malignancy) Antibody - With BSA and Azide - 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.

Tenascin C (Stromal Marker For Epithelial Malignancy) Antibody - With BSA and Azide - 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:19884327).

Cellular Location

Secreted, extracellular space, extracellular matrix

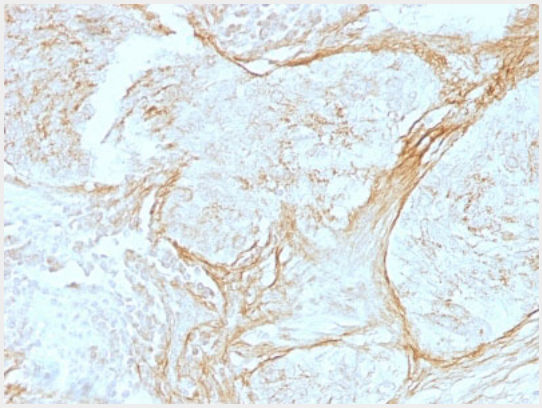
Tissue Location
Detected in fibroblasts (at protein level).

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 Cytomety
- 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 (SPM319)** 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-linkedĀhexameric 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. |