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Datasheet for ABIN6939675

anti-TNC antibody

2 Images

Overview

Quantity:	100 µg
Target:	TNC
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNC antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Human breast carcinoma
Clone:	SPM319
Isotype:	IgG1 kappa
Specificity:	In Western blotting, it reacts with two bands of ~MW of 210 kDa and 300 kDa, 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.

Product Details

No Cross-Reactivity:	Rat (Rattus)
Purification:	Purified by Protein A/G

Target Details

Target:	TNC
Alternative Name:	TNC (TNC Products)
Molecular Weight:	210kDa and 300kDa
Gene ID:	3371
UniProt:	P24821
Pathways:	Regulation of Muscle Cell Differentiation , Regulation of Cell Size , Skeletal Muscle Fiber Development

Application Details

Application Notes:	<p>Positive Control: Extracellular matrix in tonsil and blood vessels. Stroma of many tumors such as breast, squamous cell and lung carcinomas. Staining of normal fibroblasts serves as internal positive control.</p> <p>Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (2-4 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes) ,Optimal dilution for a specific application should be determined.</p>
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Restrictions:	For Research Use only
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Handling

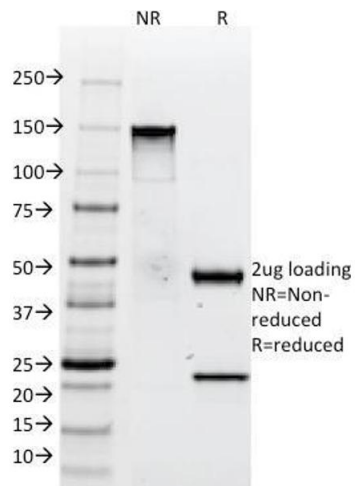
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C

Handling

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

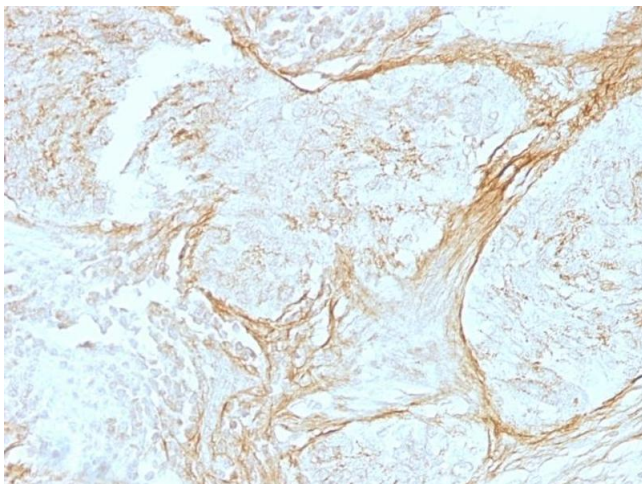
Expiry Date: 24 months

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Tenascin C Mouse Monoclonal Antibody (SPM319). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with Tenascin C Mouse Monoclonal Antibody (SPM319).