

Datasheet for ABIN94480

anti-TNC antibody[Go to Product page](#)

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Overview

Quantity:	0.1 mg
Target:	TNC
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNC antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Protein preparation from a homogenate of a human mammary tumour specimen.
Clone:	T2H5
Isotype:	IgG1
Specificity:	The antibody T2H5 recognizes tenascin C, a large hexameric extracellular matrix glycoprotein.
Cross-Reactivity (Details):	Other not tested, Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	TNC
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Target Details

Alternative Name:	Tenascin (TNC Products)
Background:	Tenascin C,Tenascin C is an approximately 250 kDa extracellular matrix glycoprotein with important roles in the nervous system, as it promotes correct migration of growing axons during development and during neuronal regeneration. It is also involved in synaptic plasticity. Ligands of tenascin C are integrins alpha-8/beta-1, alpha-9/beta-1, alpha-V/beta-3, and alpha-V/beta-6. Similarly to neural cells, it also stimulates angiogenesis by promoting elongation and migration of endothelial cells.,TNC, Hexabrachion, Cytotactin, Neuronectin
Gene ID:	3371
UniProt:	P24821
Pathways:	Regulation of Muscle Cell Differentiation , Regulation of Cell Size , Skeletal Muscle Fiber Development

Application Details

Application Notes:	Immunohistochemistry (paraffin sections): Immunohistochemical detection of tenascin is valuable for studies of tissue differentiation and tumour growth. The antibody T2H5 is excellent for staining of paraffin-embedded tissue sections. Western blotting: Recommended dilution: 1-2 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Tris buffered saline (TBS), pH 8.0, 15 mM sodium 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.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Gulubova: "Immunohistochemical localization of collagen type III and type IV, laminin, tenascin
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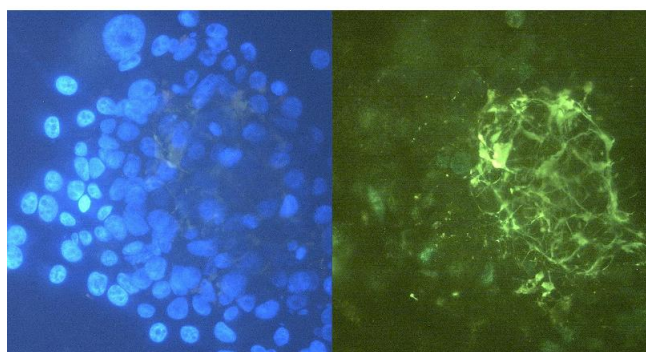
and alpha-smooth muscle actin (alphaSMA) in the human liver in peliosis." in: **Pathology, research and practice**, Vol. 198, Issue 12, pp. 803-12, (2003) ([PubMed](#)).

Faustino, van Garderen, Schalken, Nederbragt: "Tenascin expression in normal, hyperplastic, dysplastic and neoplastic canine mammary tissues." in: **Journal of comparative pathology**, Vol. 126, Issue 1, pp. 1-8, (2002) ([PubMed](#)).

Ioachim, Charchanti, Briasoulis, Karavasilis, Tsanou, Arvanitis, Agnantis, Pavlidis et al.: "Immunohistochemical expression of extracellular matrix components tenascin, fibronectin, collagen type IV and laminin in breast cancer: their prognostic value and role in tumour invasion and ..." in: **European journal of cancer (Oxford, England : 1990)**, Vol. 38, Issue 18, pp. 2362-70, (2002) ([PubMed](#)).

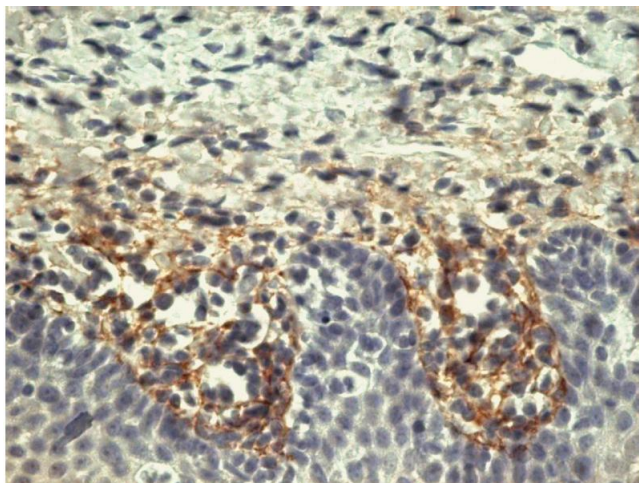
Tökés, Hortoványi, Csordás, Kulka, Mózes, Hatalyák, Kádár: "Immunohistochemical localisation of tenascin in invasive ductal carcinoma of the breast." in: **Anticancer research**, Vol. 19, Issue 1A, pp. 175-9, (1999) ([PubMed](#)).

Images



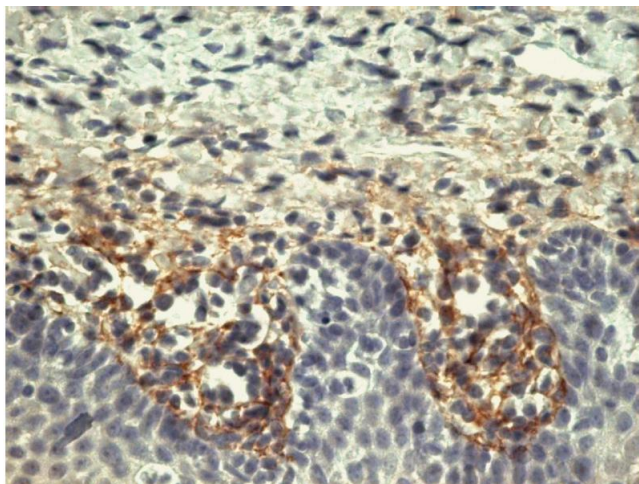
Immunocytochemistry

Image 1. Immunocytochemistry staining of tenascin C in U-87 MG cells using purified mouse monoclonal antibody T2H7 (concentration in sample 12 µg/mL, GAM FITC, right picture) vs. Hoechst 34580 nuclear staining (left picture).



Immunohistochemistry

Image 2. Immunohistochemistry staining of tonsil (paraffin-embedded sections) with anti-human Tenascin (T2H5).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry staining of tonsil (paraffin-embedded sections) with anti-human tenascin C (T2H5).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN94480.