

Product datasheet for **TA354535**

Tenascin C (TNC) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Mouse, Rat, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the internal segment of Tenascin C protein. This sequence is identical among human, rat and mouse.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	~240 kDa
Gene Name:	tenascin C
Database Link:	NP_002151 Entrez Gene 21923 Mouse Entrez Gene 116640 Rat Entrez Gene 3371 Human P24821



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Background: Tenascin-C (TN-C) is an extracellular matrix glycoprotein expressed during embryonic development, as well as in wound healing and cancer invasion in various tissues. It is usually derived from myofibroblasts in the cancer microenvironment. It has diverse functions, including weakening of cell adhesion, up-regulating the expression and activity of matrix metalloproteinases, modulating inflammatory responses, promoting recruitment of myofibroblasts, and enhancing fibrosis. TN-C could exert both harmful and protective effects and might be a therapeutic target as a key molecule in the control of the balance of beneficial and undesirable cellular responses during tissue remodeling. Cancer cell-specific TNC is a novel indicator of poor prognosis.

Synonyms: 150-225; DFNA56; GMEM; GP; HXB; JI; TN; TN-C

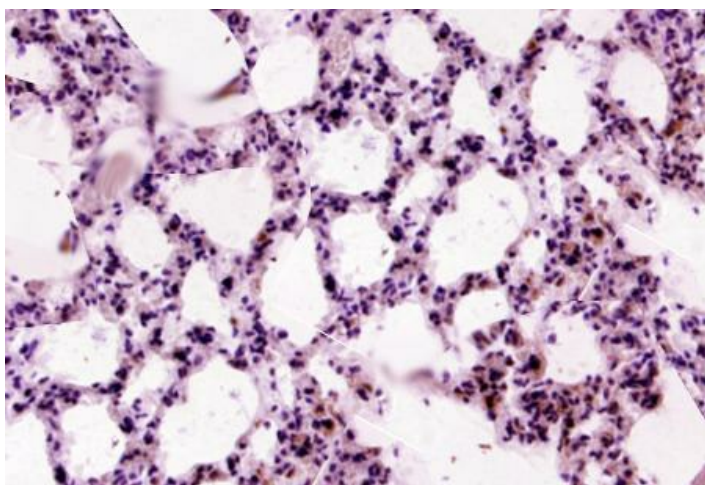
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Protein Pathways: ECM-receptor interaction, Focal adhesion

Product images:



WB: The whole cell lysate derived from HT-29 cell lysate was separated in 10% SDS-PAGE, transferred onto NC membrane, and immunoblotted by Rabbit anti-Tnc antibody at 1:500. An immunoreactive band around ~240 kDa was observed.



IHC: Human lung tissue stained with Anti-Tnc antibody, at 1:100 for 10 min at RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0 for 10min followed by cooling at RT for 20min.