

## Rabbit Tenascin C Polyclonal Antibody | anti-TNC antibody

Rabbit anti Tenascin C Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                                     |
|-----------|--------|-------------------|--------------------------------------------------------------------------------------------------|
| AAA71327  | Rabbit | Mouse, Rat, Human | Western Blot, Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA |

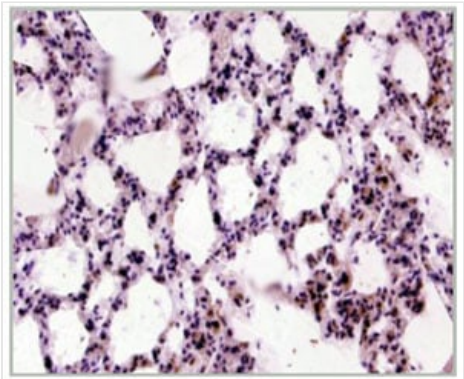
### PRODUCT SYNONYMS

Tenascin C; Polyclonal Antibody; Rabbit anti Tenascin C Polyclonal Antibody; TNC; TN-C; anti-TNC antibody

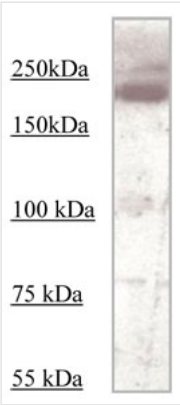
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                               |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                        |
| Reactivity                                    | Mouse, Rat, Human                                                                                                                                                                                                                                             |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                    |
| Isotype                                       | IgG                                                                                                                                                                                                                                                           |
| Specificity                                   | This antibody recognizes ~240 kDa of Tnc protein. It recognizes human, mouse and rat tissues. The other species are not tested.                                                                                                                               |
| Purity/Purification                           | The Rabbit IgG is purified by Epitope Affinity Purification.                                                                                                                                                                                                  |
| Form/Format                                   | This affinity purified antibody is supplied in sterile phosphate-buffered saline (pH7.2) containing antibody stabilizer                                                                                                                                       |
| Sequence Length                               | 91                                                                                                                                                                                                                                                            |
| Applicable Applications for anti-TNC antibody | WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA                                                                                                                                                     |
| Preparation                                   | A synthetic peptide corresponding to the internal segment of Tenascin C protein. This sequence is identical among human, rat and mouse.                                                                                                                       |
| Positive Control                              | HT-29                                                                                                                                                                                                                                                         |
| Cellular Location                             | Extracellular matrix                                                                                                                                                                                                                                          |
| Preparation and Storage                       | The antibodies are stable for 12 months from date of receipt when stored at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles. |

IMAGES



**IHC (Immunohistochemistry)**  
IHC: Human lung tissue stained with Anti-Tnc antibody, (Cat# AAA71327) at 1:100 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.



**WB (Western Blot)**  
Western Blot: 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 (Cat#AAA71327) antibody at 1:500 . An immunoreactive band around ~240 kDa was observed.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TNC antibody | 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. |
| References                                        | Melot, T., et al. Characterization of a new brain-specific isoform of the EWS oncoprotein. Eur. J. Biochem. 268 (12), 3483-3489 (2001)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 1842130                                      |
| NCBI GeneID                      | 3371                                         |
| Molecular Weight                 | ~240 kDa                                     |
| NCBI Official Full Name          | tenascin-C, partial                          |
| NCBI Official Synonym Full Names | tenascin C                                   |
| NCBI Official Symbol             | TNC                                          |
| NCBI Official Synonym Symbols    | GP; JI; TN; HXB; GMEM; TN-C; DFNA56; 150-225 |
| NCBI Protein Information         | tenascin                                     |
| UniProt Protein Name             | Tenascin                                     |
| UniProt Gene Name                | TNC                                          |
| UniProt Synonym Gene Names       | HXB; TN; TN-C                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.