Rabbit anti Tenascin C Polyclonal Antibody

Alternative Name(s): TNC; TN-C

Order Information

- **Description:** Tenascin C
- **Catalogue:** 600-780
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Ms, Rt, Hu

ANTIGEN PREPARATION

A synthetic peptide corresponding to the internal segment of Tenascin C protein. This sequence is identical among human, rat and mouse.

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.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes Tenascin C protein. It also cross reacts with human, mouse and rat tissues. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 240.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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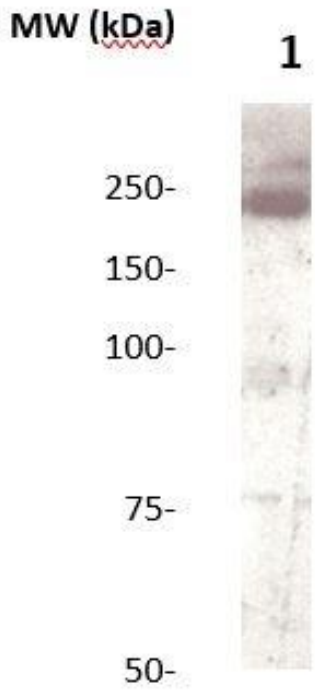
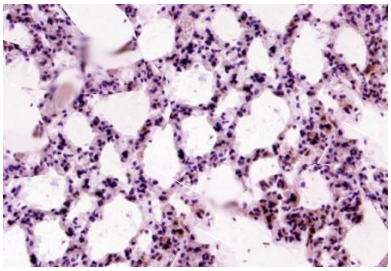
DATA ATTACHMENTS



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 –Tenascin C antibody (Cat#600-780) at 1:500. An immunoreactive band around ~240 kDa was observed.



Immunohistochemistry: Human lung tissue (FFPE) stained with Anti-Tenascin C antibody, (Cat# 600-780) 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.

REFERENCES

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