

# Product Datasheet

## Tenascin X Antibody (MTn-12)

### NB120-6346

Unit Size: 0.05 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB120-6346****Tenascin X Antibody (MTn-12)**

| <b>Product Information</b> |                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------|
| <b>Unit Size</b>           | 0.05 ml                                                                                |
| <b>Concentration</b>       | This product is unpurified. The exact concentration of antibody is not quantifiable.   |
| <b>Storage</b>             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>           | Monoclonal                                                                             |
| <b>Clone</b>               | MTn-12                                                                                 |
| <b>Preservative</b>        | 0.1% Sodium Azide                                                                      |
| <b>Isotype</b>             | IgG1                                                                                   |
| <b>Purity</b>              | Unpurified                                                                             |
| <b>Buffer</b>              | Ascites                                                                                |

| <b>Product Description</b>     |                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>                    | Rat                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene ID</b>                 | 7148                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Symbol</b>             | TNXB                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>                 | Mouse                                                                                                                                                                                                                                                                                                                                  |
| <b>Reactivity Notes</b>        | Not yet tested in other species.                                                                                                                                                                                                                                                                                                       |
| <b>Specificity/Sensitivity</b> | The antibody localizes mouse tenascin in the supernatant of cultured mouse fibroblasts and tissue extracts. No cross-reactivity with tenascin of other species has been observed. In immunohistological testing of frozen tissue sections of mouse intestine, the antibody labels the core of the villi, but not the epithelial cells. |
| <b>Immunogen</b>               | Full length native protein (partially purified) (Mouse).                                                                                                                                                                                                                                                                               |

| <b>Product Application Details</b> |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                | Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation                                                                                                                                                                                                                                                                                         |
| <b>Recommended Dilutions</b>       | Western Blot 1:100-1:2000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500                                                                                                                                                                                                                   |
| <b>Application Notes</b>           | Dot: Use at an assay dependant dilution. ELISA: Use at an assay dependant dilution. IF: Use at a dilution of 1/200 for staining of unfixed, frozen tissue sections of mouse intestine. IHC-Fr: Use at an assay dependant dilution. IP: Use at an assay dependant dilution. WB: Use at an assay dependant dilution. Not tested in other applications. Optimal dilutions/concentrations should be determined by the end user. |

**Publications**

Yoon SY, Dieterich LC, Tacconi C et al. An important role of podoplanin in hair follicle growth PLoS ONE 2019-07-23 [PMID: 31335913] (IHC-Fr, IF/IHC, Mouse)

Aufderheide E amp. Ekblom P Tenascin during gut development: appearance in the mesenchyme, shift in molecular forms, dependence on epithelial-mesenchymal interactions. J Cell Biol 107:2341-9. 1988-01-01 [PMID: 2461951]

Weller A et al. Amino acid sequence of mouse tenascin differential expression of two tenascin isoforms during embryogenesis. J Cell Biol 112:355-62. 1991-01-01 [PMID: 1703162]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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