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# Rabbit Anti-TNXB antibody

SL20062R

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| **Product Name:** | TNXB |
| **Chinese Name:** | 腱glycoproteinX抗体 |
| **Alias:** | Ehlers Danlos like syndrome; Hexabrachion like protein; Hexabrachion-like protein; HXBL; NXB2; Tenascin X precursor; Tenascin XB; Tenascin XB1; Tenascin XB2; Tenascin-X; TENX; TENX_HUMAN; TN X; TN-X; TNX; TNXB; TNXB1; TNXB2; TNXBS; XB; XBS. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human,Mouse,Rat,Pig,Cow,Sheep, |
| **Applications:** | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 462kDa |
| **Cellular localization:** | Secretory protein |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human TNXB:51-150/4289 |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **PubMed:** | PubMed |
| **Product Detail:** | This gene encodes a member of the tenascin family of extracellular matrix glycoproteins. The tenascins have anti-adhesive effects, as opposed to fibronectin which is adhesive. This protein is thought to function in matrix maturation during wound healing, and its deficiency has been associated with the connective tissue |

disorder Ehlers-Danlos syndrome. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. It is one of four genes in this cluster which have been duplicated. The duplicated copy of this gene is incomplete and is a pseudogene which is transcribed but does not encode a protein. The structure of this gene is unusual in that it overlaps the CREBL1 and CYP21A2 genes at its 5' and 3' ends, respectively. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Function:**
Appears to mediate interactions between cells and the extracellular matrix. Substrate-adhesion molecule that appears to inhibit cell migration. Accelerates collagen fibril formation. May play a role in supporting the growth of epithelial tumors.

**Subcellular Location:**
Secreted, extracellular space, extracellular matrix.

**Tissue Specificity:**
Highly expressed in fetal adrenal, in fetal testis, fetal smooth, striated and cardiac muscle. Isoform XB-short is only expressed in the adrenal gland.

**DISEASE:**
Tenascin-X deficiency (TNXD) [MIM:606408]: TNXD leads to an Ehlers-Danlos-like syndrome characterized by hyperextensible skin, hypermobile joints, and tissue fragility. Tenascin-X-deficient patients, however, lack atrophic scars, a major diagnostic criteria for classic Ehlers-Danlos. Delayed wound healing, which is also common in classic EDS, is only present in a subset of patients. Note=The disease is caused by mutations affecting the gene represented in this entry.

**Similarity:**
Belongs to the tenascin family.
Contains 19 EGF-like domains.
Contains 1 fibrinogen C-terminal domain.
Contains 32 fibronectin type-III domains.

**SWISS:**
P22105

**Gene ID:**
7148

**Database links:**

Entrez Gene: 7148 Human

Entrez Gene: 81877 Mouse

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| | Omim: 600985 Human<br><br>SwissProt: P22105 Human<br><br>Unigene: 485104 Human<br><br>Unigene: 290527 Mouse<br><br><br>**Important Note:**<br>This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |