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Rabbit Anti-TNXB/Cy5.5 Conjugated antibody

SL18163R-Cy5.5

Product Name	Anti-TNXB/Cy5.5
Chinese Name	Cy5.5 标记的腱 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.
Research Area	Cell biology Signal transduction Cell adhesion molecule
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	462kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human TNXB
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** 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.

Database links:

Entrez Gene: 7148 Human

Entrez Gene: 81877 Mouse

Omim: 600985 Human

SwissProt: P22105 Human

Unigene: 485104 Human

Unigene: 290527 Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.