

Anti-TNXB Picoband Antibody
Catalog # ABO12519**Specification**

Anti-TNXB Picoband Antibody - Product Information

Application	WB, IHC
Primary Accession	P22105
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Tenascin-X(TNXB) detection. Tested with WB, IHC-P in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-TNXB Picoband Antibody - Additional Information

Gene ID 7148

Other Names

Tenascin-X, TN-X, Hexabrachion-like protein, TNXB, HXBL, TNX, TNXB1, TNXB2, XB

Calculated MW

458220 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

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.

Protein Name

Tenascin-X

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human TNXB (3309-3337aa DLRAVAVSGLDPARKYKFLFLGLQNGKRH).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-TNXB Picoband Antibody - Protein Information

Name TNXB ([HGNC:11976](#))

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.

Cellular Location

Secreted, extracellular space, extracellular matrix

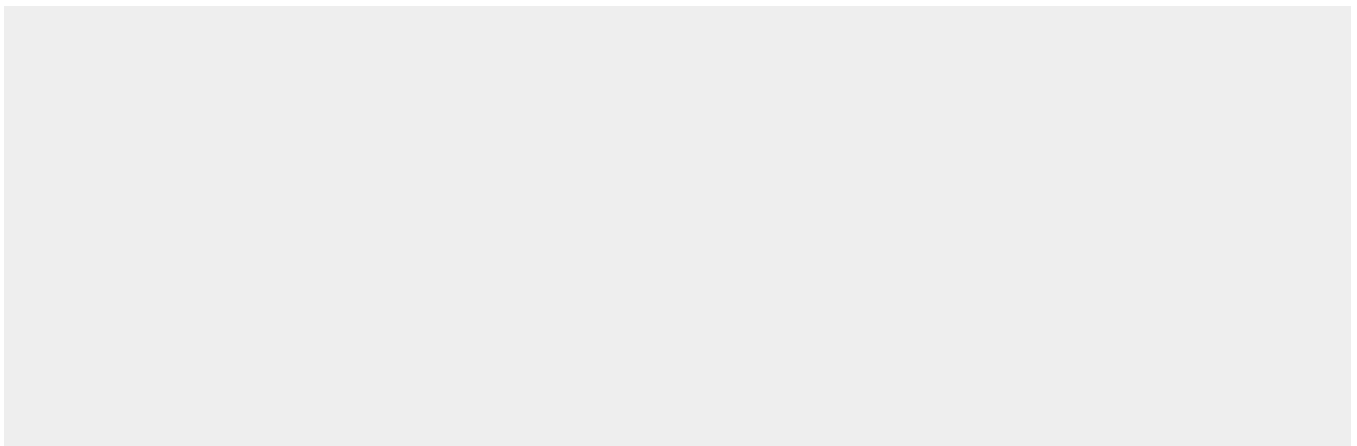
Tissue Location

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

Anti-TNXB Picoband Antibody - Protocols

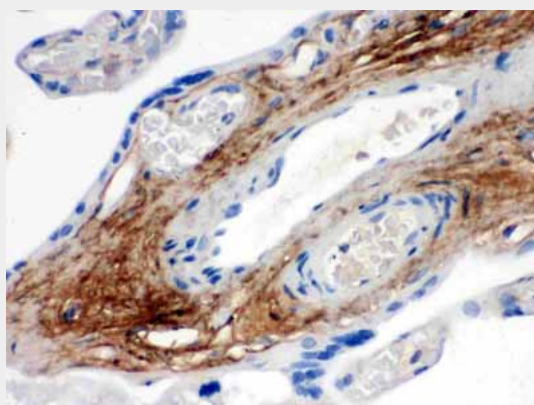
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-TNXB Picoband Antibody - Images



Anti- TNXB Picoband antibody, ABO12519, Western blottingAll lanes: Anti TNXB (ABO12519) at 0.5ug/mlLane 1: MCF- 7 Whole Cell Lysate at 40ugLane 2: SW620 Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugPredicted bind size: 458KDObserved bind size: 458KD



Anti- TNXB Picoband antibody, ABO12519, IHC(P)IHC(P): Human Placenta Tissue

Anti-TNXB Picoband Antibody - Background

tenascin X (TN-X), also known as hexabrachion-like protein, is a glycoprotein that is expressed in connective tissues including skin, joints and muscles. In humans, tenascin X is encoded by the TNXB gene. 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.