

Anti-TNXB Picoband Antibody

Catalog # ABO12519

Product Information

Application	WB, IHC-P
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.

Additional Information

Gene ID	7148
Other Names	Tenascin-X, TN-X, Hexabrachion-like protein, TNXB, HXBL, TNX, TNXB1, TNXB2, XB
Calculated MW	458388
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/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.
Source	Eukaryota
Protein Name	Tenascin-X
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TNXB (3309-3337aa DLRAVAVSGLDPARKYKFLFGLQNGKRH).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage At -20 °C for one year. After r ° Constitution, 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.

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

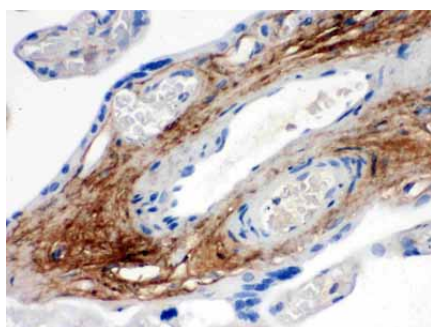
Background

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.