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Datasheet for ABIN3043715
anti-TNXB antibody (C-Term)

2 Images

Overview

Quantity:	100 µg
Target:	TNXB
Binding Specificity:	AA 3309-3337, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Tenascin-X(TNXB) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human TNXB (3309-3337aa DLRAVAVSGLDPARKYKFLLFGLQNGKRH).
Sequence:	DLRAVAVSGL DPARKYKFLF FGLQNGKRH
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Tenascin-X(TNXB) detection. Tested with WB, IHC-P in Human. Gene Name: tenascin XB Protein Name: Tenascin-X
Purification:	Immunogen affinity purified.

Target Details

Target: TNXB

Alternative Name: TNXB ([TNXB Products](#))

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.

Synonyms: EDS3 antibody|Ehlers Danlos like syndrome antibody|Growth inhibiting protein 45 antibody|Hexabrachion like protein antibody| Hexabrachion-like protein antibody|HXBL antibody|NXB2 antibody|Tenascin X precursor antibody|Tenascin XB antibody|Tenascin XB1 antibody|Tenascin XB2 antibody|Tenascin-X antibody|TENX antibody|TENX_HUMAN antibody|TN X antibody|TN-X antibody|TNX antibody|TNXB antibody|TNXB1 antibody|TNXB2 antibody|TNXBS antibody|VUR8 antibody|XB antibody|XBS antibody

Gene ID: 7148

UniProt: [P22105](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

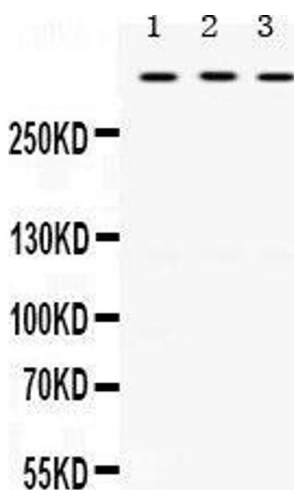
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

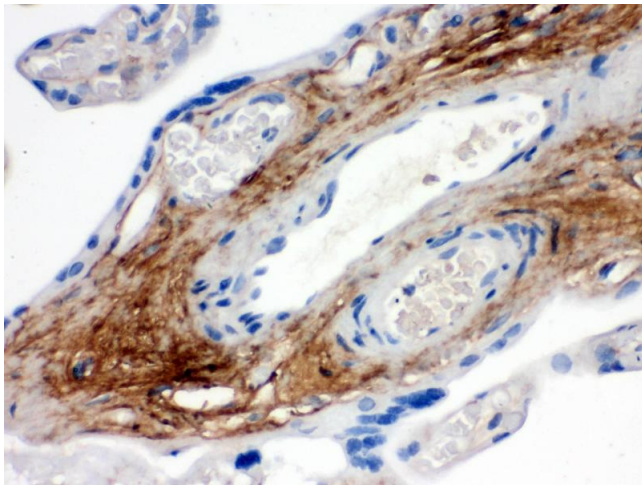
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Validation report #300031 for Immunohistochemistry (IHC)



Western Blotting

Image 1.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2.