Best Tools for immunology Research

Tenascin-X Polyclonal Antibody

Catalog No :	YT4602
Reactivity :	Human
Applications :	IHC;IF;ELISA
Target :	Tenascin-X
Fields :	>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Human papillomavirus infection;>>MicroRNAs in cancer
Gene Name :	TNXB
Protein Name :	Tenascin-X
Human Gene Id :	7148
Human Swiss Prot No :	P22105
Immunogen :	The antiserum was produced against synthesized peptide derived from human TNXB. AA range:1761-1810
Specificity :	Tenascin-X Polyclonal Antibody detects endogenous levels of Tenascin-X protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 464kD

Cell Pathway : Focal adhesion;ECM-receptor interaction;

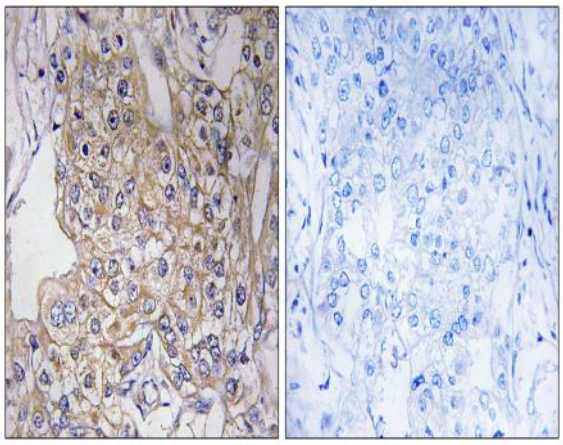
Background : This gene encodes a member of the tenascin family of extracellular matrix glycoproteins. The tenascins have anti-adhesive effects, as opposed to fibronectin which is adhesive. This protein is thought to function in matrix maturation during wound healing, and its deficiency has been associated 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 : alternative products:Additional isoforms seem to exist,caution:Could be the product of a pseudogene. TNXA is transcriptionally active in adrenal cortex but no protein product has been observed.,caution:There are two genes for TN-X: TNXA and TNXB. TNXA is a partial gene which can sometimes recombine with TNXB.,developmental stage:Expression levels are lower in adults than in children.,disease:Association with congenital adrenal hyperplasia.,disease:Defects in TNXB are the cause of 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.,function:Appears to mediate i

Subcellular Location : Secreted, extracellular space, extracellular matrix.

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

Products Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using TNXB Antibody. The picture on the right is blocked with the synthesized peptide.