

产品名称: Tenascin-X Rabbit Polyclonal Antibody
产品货号: APRab18791



产品概述 (Summary)

产品名称 (Production Name)	Tenascin-X Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	TNXB
别名 (Alternative Names)	TNXB; HXBL; TNX; TNXB1; TNXB2; XB; Tenascin-X; TN-X; Hexabrachion-like protein
基因 ID (Gene ID)	7148.0
蛋白 ID (SwissProt ID)	P22105. The antiserum was produced against synthesized peptide derived from human TNXB. AA range: 1761-1810

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	

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研究背景 (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], 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 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., miscellaneous: TNX genes are located in the class III HLA region within a complex locus, named RCCX module, containing genes for RP1/STK19, C4B, CYP21B/CYP21A2 and TNXB. Most chromosomes bear 2 modules, but monomodular and trimodular haplotypes are common in most populations. The bimodular haplotype results from the duplication of the RCCX module, leading to a duplicate containing RP2/RP1 pseudogene, C4A, CYP21A/CYP21A1P and TNXA. TNXA is a duplicated section of TNXB and probably consists in a truncated pseudogene: it contains a 120 bp deletion causing a frameshift and a premature stop codon that probably render the gene non-functional. In some pathologies, an unequal crossover between monomodular and bimodular RCCX results in a chromosome with a TNXB-TNXA hybrid gene, arising from a fusion between the TNXB gene of a monomodular RCCX and the TNXA gene of a bimodular RCCX. The TNXB-TNXA hybrid may correspond to TNXB-Short gene and may produce a functional protein., similarity: Belongs to the tenascin family., similarity: Contains 1 fibrinogen C-terminal domain., similarity: Contains 19 EGF-like domains., similarity: Contains 3 fibronectin type-III domains., similarity: Contains 32 fibronectin type-III domains., subunit: Homotrimer. Interacts with type I, III and V collagens and tropoelastin via its 29th fibronectin type-III domain., tissue specificity: Expressed in the adrenal gland., 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.,

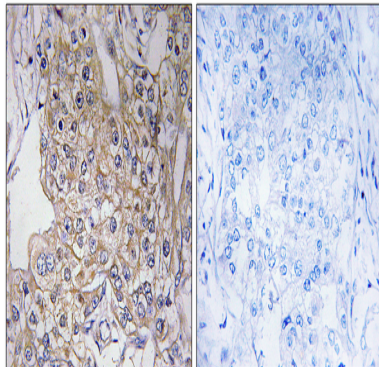
研究领域 (Research Area)

Focal adhesion; ECM-receptor interaction;

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图片 (Image Data)



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

注意事项 (Note)

For research use only .