

产品名称: Tenascin-X Rabbit Polyclonal Antibody

产品货号: APRab18791

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	IHC, ICC/IF, ELISA
种属反应(Reactivity)	Human, Rat, Mouse
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(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 (Purification)	Affinity purification

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

分子量(Molecular Weight)

抗原信息(Antigen Information)

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
SwissProt ID	P22105
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human TNXB. AA range:1761-1810

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 corresponds 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.,

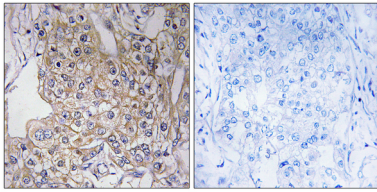
研究领域 (Research Area)

Focal adhesion;ECM-receptor interaction;

注意事项 (Note)

For research use only.

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.

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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