

产品名称: TGFβ3 Rabbit Polyclonal Antibody
产品货号: APRab18860



产品概述 (Summary)

产品名称 (Production Name)	TGFβ3 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat,Monkey

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)	TGFB3
别名 (Alternative Names)	TGFB3; Transforming growth factor beta-3; TGF-beta-3
基因 ID (Gene ID)	7043.0
蛋白 ID (SwissProt ID)	P10600.The antiserum was produced against synthesized peptide derived from human TGF beta3. AA range:261-310

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	13kDa

研究背景 (Background)

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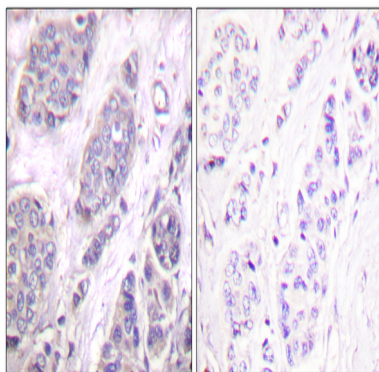


This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGF-beta family members. This protein is involved in embryogenesis and cell differentiation, and may play a role in wound healing. Mutations in this gene are a cause of aortic aneurysms and dissections, as well as familial arrhythmogenic disease: Defects in TGFβ3 are a cause of familial arrhythmogenic right ventricular dysplasia 1 (ARVD1) [MIM:107970]; also known as arrhythmogenic right ventricular cardiomyopathy 1 (ARVC1). ARVD is an autosomal dominant disease characterized by partial degeneration of the myocardium of the right ventricle, electrical instability, and sudden death. It is clinically defined by electrocardiographic and angiographic criteria; pathologic findings, replacement of ventricular myocardium with fatty and fibrous elements, preferentially involve the right ventricular free wall., function: Involved in embryogenesis and cell differentiation., online information: TGF beta-3 entry, similarity: Belongs to the TGF-beta family., subunit: Homodimer; disulfide-linked.,

研究领域 (Research Area)

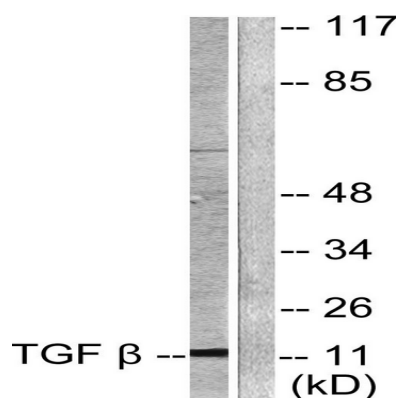
MAPK_ERK_Growth; MAPK_G_Protein; Cytokine-cytokine receptor interaction; Cell_Cycle_G1S; Cell_Cycle_G2M_DNA; TGF-beta; Intestinal immune network for IgA production; Pathways in cancer; Colorectal cancer; Renal cell carcinoma; Pancreatic cancer; Chronic myeloid leukemia; Hypertrophic cardiomyopathy (HCM); Dilated cardiomyopathy;

图片 (Image Data)

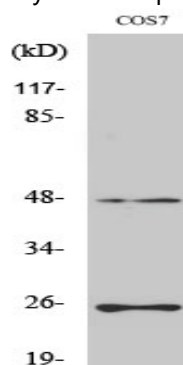


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using TGF beta3 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from COS7 cells, using TGF beta3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using TGFβ3 Polyclonal Antibody

注意事项 (Note)

For research use only .