

TGFβ3 Polyclonal Antibody

Catalog No: YT4634

Reactivity: Human; Mouse; Rat; Monkey

Applications: WB;IHC;IF;ELISA

Target: TGFB3

Fields: >>MAPK signaling pathway;>>Cytokine-cytokine receptor interaction;>>FoxO

signaling pathway;>>Cell cycle;>>Cellular senescence;>>TGF-beta signaling pathway;>>Hippo signaling pathway;>>AGE-RAGE signaling pathway in diabetic

complications;>>Leishmaniasis;>>Chagas

disease;>>Malaria;>>Toxoplasmosis;>>Amoebiasis;>>Tuberculosis;>>Hepatitis B;>>Human T-cell leukemia virus 1 infection;>>Pathways in cancer;>>Colorectal

cancer;>>Renal cell carcinoma;>>Pancreatic cancer;>>Chronic myeloid leukemia;>>Hepatocellular carcinoma;>>Gastric cancer;>>Inflammatory bowel disease;>>Rheumatoid arthritis;>>Hypertrophic cardiomyopathy;>>Dilated

cardiomyopathy;>>Diabetic cardiomyopathy

Gene Name: TGFB3

Protein Name: Transforming growth factor beta-3

Human Gene Id: 7043

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Rat Gene Id:

P17125

P10600

25717

Rat Swiss Prot No: Q07258

Immunogen: The antiserum was produced against synthesized peptide derived from human

TGF beta3. AA range:261-310

Specificity: TGFβ3 Polyclonal Antibody detects endogenous levels of TGFβ3 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.



Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. 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)

Observed Band: 13kD

Cell Pathway: 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

Background: 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

Function: disease:Defects in TGFB3 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.,

Subcellular Location :

[Latency-associated peptide]: Secreted, extracellular space, extracellular matrix

.; [Transforming growth factor beta-3]: Secreted .

Expression : Amygdala, Esophageal, Placenta, Prostate,

Tag: hot

Sort : 128

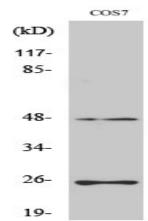
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No4: 1

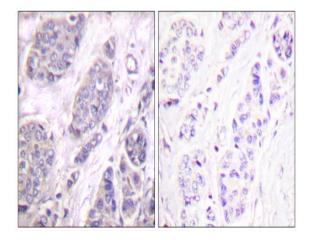
Host: Rabbit

Modifications: Unmodified

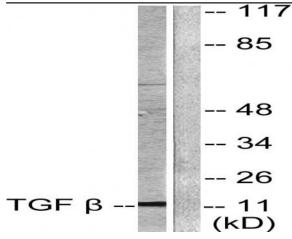
Products Images



Western Blot analysis of various cells using TGF β 3 Polyclonal Antibody



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



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