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Rabbit Anti-TGF beta 3 propeptide antibody

SL0099R

Product Name:	TGF beta 3 propeptide
Chinese Name:	转移生长因子β3抗体（TGFβ3）
Alias:	TGF beta 3; ARVD; FLJ16571; MGC105479; MGC118722; TGF beta 3; TGF beta3; TGF-beta-3; TGF-beta 3; TGFB 3; TGFB3; TGFB3_HUMAN; transforming growth factor beta 3; Transforming growth factor beta-3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	30/47kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TGF-beta 3 propeptide:41-90/412
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The TGFBeta superfamily is composed of numerous growth and differentiation factors, including transforming growth factors Beta(TGFBeta) 1,2 and 3; placental transforming growth factor (PTGFBeta);growth /differentiation factors (GDFs); mullerian inhibiting substance (MIS);bone morphogenic proteins (BMPs);glial cell line-derived neurotrophic

factor (GDNF);inhibins or activins (Alpha,Beta-A, Beta-B and Beta-C),Lefty and Nodal. Members of the TGF superfamily are involved in embryonic development and adult tissue homeostasis.

Function:
Involved in embryogenesis and cell differentiation.

Subunit:
Homodimer; disulfide-linked. Interacts with ASPN.

Subcellular Location:
Secreted.

DISEASE:
Defects in TGFB3 are a cause of familial arrhythmogenic right ventricular dysplasia type 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.

Similarity:
Belongs to the TGF-beta family.

SWISS:
P10600

Gene ID:
7043

Database links:

Entrez Gene: 7043Human

Entrez Gene: 21809Mouse

Entrez Gene: 25717Rat

Omim: 190230Human

SwissProt: P10600Human

SwissProt: P17125Mouse

SwissProt: Q07258Rat

Unigene: 592317Human

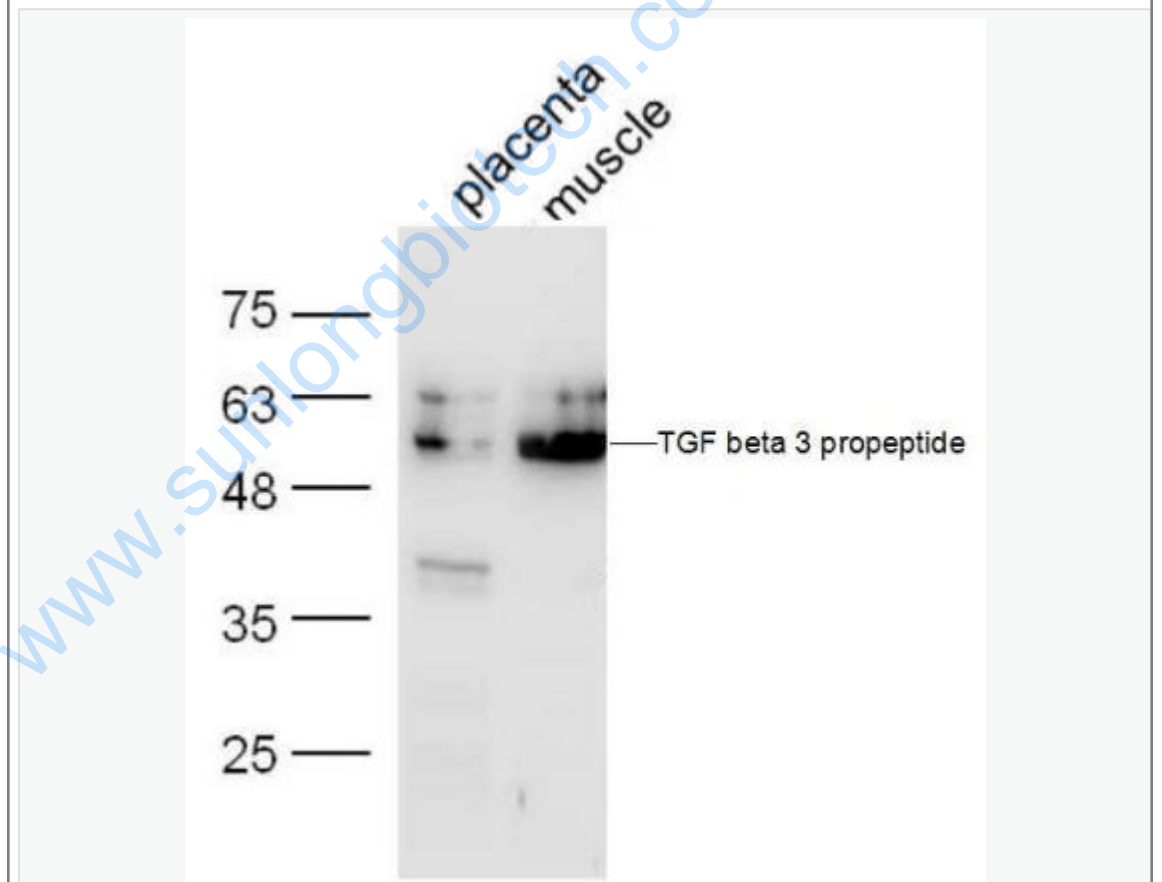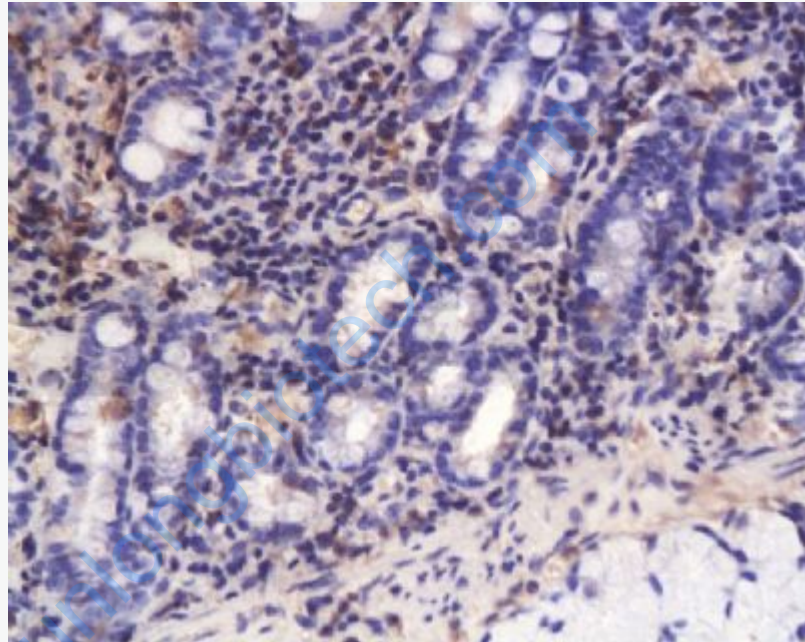|	
	     Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Growth factors and hormones（Growth Factor and Hormones） TGF是一种多效生长因子,对epithelial cells增值有潜在抑制作用,可抑制Tumour生长，用于许多恶性Tumour如:胃癌、肺癌、膀胱癌、肾癌、前列腺癌、结肠癌等多种恶性Tumour的研究。分子量:47kDa。此抗体是TGFβ3 特异性抗体，与TGF-β1和TGF-β2没有React Species。
Picture:	 Sample: Placenta (Mouse) Lysate at 40 ug Muscle (Mouse) Lysate at 40 ug

Primary: Anti-TGF beta 3 propeptide (SL0099R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 30/47 kD

Observed band size: 55 kD

Tissue/cell: pig bile duct; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-TGF-beta-3 Polyclonal Antibody, Unconjugated(SL0099R) 1:200, overnight at 4℃, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining