TGFB3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TGFB3, Polyclonal Antibody
Full Product Name	TGFB3 antibody
Product Gene Name	anti-TGFB3 antibody
Product Synonym Names	Polyclonal TGFB3; Anti-TGFB3; Transforming Growth Factor Beta 3; Tgfb3; Arvd; Flj16571; Tgf Beta3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied in PBS buffer with 0.02% Sodium Azide and 50% Glycerol, pH 7.3
Purity/Purification	TGFB3 antibody was purified by Antigen Affinity chromatography
Preparation and Storage	Store at 4 degree C for short term storage and -20 degree C for long term storage. Avoid repeat freeze/thaw cycles
Molecular Weight	35,708 Da
OMIM	107970
Cross-Reactivity	Human, Mouse, Rat
Immunogen	TGFB3 antibody was raised in Rabbit using Human TGFB3 as the immunogen
Product Categories/Family for anti-TGFB3 antibody	Cytokines & Growth Factors; Purified Polyclonal Antibodies
Applications Tested/Suitable for anti-TGFB3 antibody	ELISA (EIA), Western Blot (WB)
Related Product Information for anti-TGFB3 antibody	MBS5303085 is an antibody targeting TGFB3. Also known as TGFB3 antibody. Host: Rabbit. Rabbit polyclonal TGFB3 antibody
Other Notes	Small volumes of anti-TGFB3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TGFB3. It may not necessarily be applicable to this product.

NCBI GI #	4507465
NCBI GeneID	7043
NCBI Accession #	NP_003230.1
UniProt Secondary Accession #	Q8WV88
UniProt Related Accession #	P10600
GenBank Nucleotide #	NM_003239.3
NCBI Official Full Name	transforming growth factor beta-3 preproprotein
NCBI Official Synonym Full Names	transforming growth factor, beta 3

NCBI Official Symbol	TGFB3
NCBI Official Synonym Symbols	ARVD; RNHF; ARVD1; TGF-beta3
UniProt Protein Name	Transforming growth factor beta-3
Protein Family	Transforming growth factor
UniProt Gene Name	TGFB3
UniProt Synonym Gene Names	TGF-beta-3; LAP
UniProt Entry Name	TGFB3_HUMAN
NCBI Protein Information	transforming growth factor beta-3
NCBI Summary for TGFB3	This gene encodes a member of the TGF-beta family of proteins. The encoded protein is secreted and is involved in embryogenesis and cell differentiation. Defects in this gene are a cause of familial arrhythmogenic right ventricular dysplasia 1. [provided by RefSeq, Mar 2009]
UniProt Comments for TGFB3	TGFB3: Involved in embryogenesis and cell differentiation. Homodimer; disulfide-linked. Interacts with ASPN. Belongs to the TGF-beta family. Protein type: Ligand, receptor tyrosine kinase; Cell development/differentiation; Secreted, signal peptide; Secreted; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 14q24 Cellular Component: extracellular matrix; extracellular space; cell surface; cell soma; T-tubule; extracellular region; plasma membrane; nucleus Molecular Function: identical protein binding; protein binding; growth factor activity; transforming growth factor beta binding; protein heterodimerization activity; punt binding; cytokine activity Biological Process: extracellular matrix organization and biogenesis; activation of MAPK activity; positive regulation of apoptosis; positive regulation of transcription, DNA-dependent; positive regulation of collagen biosynthetic process; SMAD protein nuclear translocation; palate development; female pregnancy; odontogenesis; regulation of apoptosis; negative regulation of cell proliferation; platelet degranulation; mammary gland development; transforming growth factor beta receptor signaling pathway; salivary gland morphogenesis; embryonic neurocranium morphogenesis; negative regulation of neuron apoptosis; cell growth; inner ear development; aging; positive regulation of filopodium formation; uterine wall breakdown; intercellular junction assembly and maintenance; platelet activation; in utero embryonic development; positive regulation of bone mineralization; regulation of cell proliferation; positive regulation of protein secretion; gut development; negative regulation of DNA replication; response to estrogen stimulus; regulation of MAPKKK cascade; positive regulation of cell division; response to hypoxia; positive regulation of transcription from RNA polymerase II promoter; blood coagulation; response to progesterone stimulus; negative regulation of transforming growth factor beta receptor signaling pathway; alveolus development; positive regulation of DNA replication Disease: Arrhythmogenic Right Ventricular Dysplasia, Familial, 1; Rienhoff Syndrome
Research Articles on TGFB3	**1.** The results show an intricate interplay between p53 and TGF-beta3 whereby p53 inhibits the TGF-beta3-induced expression of genes, e.g., EPHB2, to impede tumor cell invasion and migration
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