CTGF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CTGF, Polyclonal Antibody
Full Product Name	CTGF (C-Term) Rabbit pAb
Product Gene Name	anti-CTGF antibody
Product Synonym Names	Connective tissue growth factor; CCN family member 2; Hypertrophic chondrocyte-specific protein 24; Insulin-like growth factor-binding protein 8; IBP-8; IGF-binding protein 8; IGFBP-8; CTGF; CCN2; HCS24; IGFBP8
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Purity/Purification	Affinity Purified
OMIM	121009
3D Structure	ModBase 3D Structure for P29279
Immunogen	This CTGF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 315-349 amino acids from the C-terminal region of human CTGF.
Cellular Localization	Extracellular Matrix, Secreted
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CTGF antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CTGF antibody	WB: 1:1000 IHC: 1:10-50
Related Product Information for anti-CTGF antibody	MBS8558345 is an antibody targeting CTGF. Also known as CTGF (C-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CTGF 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 CTGF. It may not necessarily be applicable to this product.

NCBI GI #	4503123
NCBI GeneID	1490
NCBI Accession #	NP_001892.1
UniProt Primary Accession #	P29279
UniProt Related Accession #	P29279

GenBank Nucleotide #	NP_001892.1
NCBI Official Full Name	CCN family member 2
NCBI Official Synonym Full Names	cellular communication network factor 2
NCBI Official Symbol	CCN2
NCBI Official Synonym Symbols	CTGF; NOV2; HCS24; IGFBP8
UniProt Protein Name	Connective tissue growth factor
UniProt Synonym Protein Names	CCN family member 2; Hypertrophic chondrocyte-specific protein 24; Insulin-like growth factor-binding protein 8
Protein Family	Connective tissue growth factor
UniProt Gene Name	CTGF
UniProt Synonym Gene Names	CCN2; HCS24; IGFBP8; IBP-8; IGF-binding protein 8; IGFBP-8
UniProt Entry Name	CTGF_HUMAN
NCBI Protein Information	CCN family member 2
NCBI Summary for CTGF	The protein encoded by this gene is a mitogen that is secreted by vascular endothelial cells. The encoded protein plays a role in chondrocyte proliferation and differentiation, cell adhesion in many cell types, and is related to platelet-derived growth factor. Certain polymorphisms in this gene have been linked with a higher incidence of systemic sclerosis. [provided by RefSeq, Nov 2009]
UniProt Comments for CTGF	CTGF: Major connective tissue mitoattractant secreted by vascular endothelial cells. Promotes proliferation and differentiation of chondrocytes. Mediates heparin- and divalent cation-dependent cell adhesion in many cell types including fibroblasts, myofibroblasts, endothelial and epithelial cells. Enhances fibroblast growth factor-induced DNA synthesis. Belongs to the CCN family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide; Cell adhesion Chromosomal Location of Human Ortholog: 6q23.1 Cellular Component: Golgi apparatus; proteinaceous extracellular matrix; extracellular space; cis-Golgi network; intracellular membrane-bound organelle; perinuclear region of cytoplasm; plasma membrane; extracellular region; cell cortex; cytosol Molecular Function: integrin binding; heparin binding; insulin-like growth factor binding; protein binding; growth factor activity; fibronectin binding Biological Process: response to peptide hormone stimulus; epidermis development; response to anoxia; cell-matrix adhesion; positive regulation of collagen biosynthetic process; positive regulation of caspase activity; positive regulation of JNK cascade; cellular lipid metabolic process; response to estradiol stimulus; cell-cell signaling; positive regulation of stress fiber formation; positive regulation of cell proliferation; response to glucose stimulus; tissue homeostasis; response to wounding; angiogenesis; regulation of cell growth; cell differentiation; cell adhesion; positive regulation of cell activation; cartilage condensation; integrin-mediated signaling pathway; transcription initiation from RNA polymerase II promoter; cell migration; ossification; fibroblast growth factor receptor signaling pathway; organ senescence; response to mineralocorticoid stimulus; response to amino acid stimulus; gene expression; regulation of chondrocyte differentiation; positive regulation of protein amino acid phosphorylation; positive regulation of cell differentiation; lung development
Research Articles on CTGF	**1.** TGF-beta 1/CTGF based on the p38 MAPK signaling pathway play an important role in the occurance and development of hypertrophy of human lumbar ligamentum flavum.
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