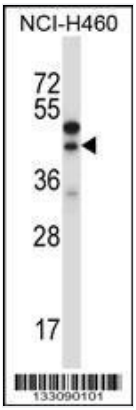
CTGF Antibody – Rabbit Polyclonal

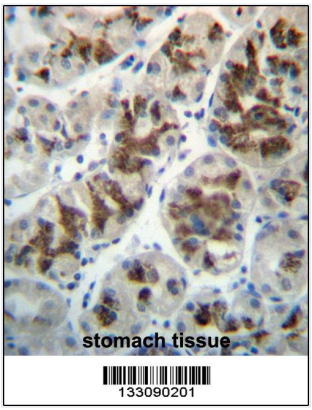
PRODUCT OVERVIEW

Product Name	CTGF, Polyclonal Antibody
Full Product Name	CTGF, ID (CTGF, CCN2, HCS24, IGFBP8, Connective tissue growth factor, CCN family member 2, Hypertrophic chondrocyte-specific protein 24, Insulin-like growth factor-binding protein 8) (APC)
Product Gene Name	anti-CTGF antibody
Product Synonym Names	CTGF; CCN2; HCS24; IGFBP8; Connective tissue growth factor; CCN family member 2; Hypertrophic chondrocyte-specific protein 24; Insulin-like growth factor-binding protein 8
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	38,091 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (132269316..132272518, complement). Location: 6q23.1
OMIM	121009
3D Structure	ModBase 3D Structure for P29279
Immunogen	CTGF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 165-193 amino acids from the Central region of human CTGF.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-CTGF antibody	Antibodies; Insulin
Applications Tested/Suitable for anti-CTGF antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-CTGF antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-CTGF antibody	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].

Product References and Citations for anti-CTGF antibody	Behrens, M.E., et al. Oncogene 29(42):5667-5677(2010). Cunningham, J.L., et al. Eur. J. Endocrinol. 163(4):691-697(2010). Ito, Y., et al. Am. J. Physiol. Renal Physiol. 299 (3), F545-F558 (2010): Adler, S.G., et al. Clin J Am Soc Nephrol 5(8):1420-1428(2010). Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010).
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.
Searchable Terms for CTGF purchase	MBS6289771 is an antibody targeting CTGF. Also known as CTGF, ID (CTGF, CCN2, HCS24, IGFBP8, Connective tissue growth factor, CCN family member 2, Hypertrophic chondrocyte-specific protein 24, Insulin-like growth factor-binding protein 8) (APC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CTGF antibody
CTGF Antibody (Center) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the CTGF antibody detected the CTGF protein (arrow).



Immunohistochemistry (IHC) of anti-CTGF antibody
CTGF Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CTGF Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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 Secondary Accession #	Q6LCY0; Q96A79; Q96QX2; Q9UDL6; E1P578
UniProt Related Accession #	P29279
GenBank Nucleotide #	NM_001901.2
NCBI Official Full Name	connective tissue growth factor
NCBI Official Synonym Full Names	connective tissue growth factor
NCBI Official Symbol	CTGF
NCBI Official Synonym Symbols	CCN2; 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	connective tissue growth factor; IBP-8; IGFBP-8; CCN family member 2; IGF-binding protein 8; hypertrophic chondrocyte-specific protein 24; insulin-like growth factor-binding protein 8
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.** Connective tissue growth factor (CTGF/CCN2) is negatively regulated during neuron-glioblastoma interaction.
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