

CTGF Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM2095b**Specification**

CTGF Antibody - Product Information

Application	WB,E
Primary Accession	P29279
Other Accession	O9R1E9 , O19113 , P29268 , NP_001892.1
Reactivity	Human
Predicted	Mouse, Pig, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	38091
Antigen Region	166-193

CTGF Antibody - Additional Information**Gene ID** 1490**Other 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

Target/Specificity

This CTGF antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 166-193 amino acids from human CTGF.

Dilution

WB~~1:100

E~~Use at an assay dependent concentration.

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CTGF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CTGF Antibody - Protein Information**Name** CCN2 ([HGNC:2500](#))

Function Major connective tissue mitogen secreted by vascular endothelial cells. Promotes proliferation and differentiation of chondrocytes. Is involved in the stimulation of osteoblast differentiation and has a critical role in osteogenesis (PubMed:[39414788](#)). 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.

Cellular Location

Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:P29268}. Secreted

Tissue Location

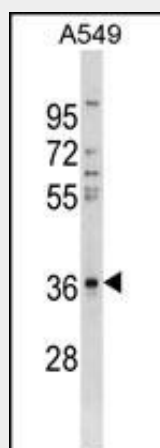
Expressed in bone marrow and thymic cells. Also expressed one of two Wilms tumors tested.

CTGF Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CTGF Antibody - Images



CTGF Antibody (Cat. #AM2095b) western blot analysis in A549 cell line lysates (35µg/lane). This demonstrates the CTGF antibody detected the CTGF protein (arrow).

CTGF Antibody - Background

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].

CTGF Antibody - References

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) :