

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

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. 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 {ECO:0000250|UniProtKB:P29268}

Tissue Location

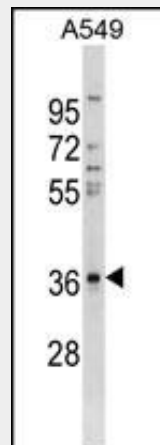
Expressed in bone marrow and thymic cells. Also expressed one of two Wilms tumors tested.

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) :