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CTGF Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP13399c

Specification

CTGF Antibody (Center) Blocking peptide - Product Information

Primary Accession P29279

CTGF Antibody (Center) Blocking peptide - 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
The synthetic peptide sequence used to generate the antibody AP13399c was selected from the Center region of CTGF. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CTGF Antibody (Center) Blocking peptide - Protein Information

Name CCN2 (HGNC:2500)

Function
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.

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.

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CTGF Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

CTGF Antibody (Center) Blocking peptide - Images

CTGF Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is a mitogen that issecreted by vascular endothelial cells. The encoded protein plays arole in chondrocyte proliferation and differentiation, celladhesion in many cell types, and is related to platelet-derivedgrowth factor. Certain polymorphisms in this gene have been linkedwith a higher incidence of systemic sclerosis. [provided byRefSeq].

CTGF Antibody (Center) Blocking peptide - 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) :