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CTGF Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP7778b

Specification

CTGF Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	P29279
Other Accession	NP_001892

CTGF Antibody (C-term) 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 AP7778b was selected from the C-term region of human 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 (C-term) 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.

CTGF Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

CTGF Antibody (C-term) Blocking Peptide - Images

CTGF Antibody (C-term) Blocking Peptide - Background

Connective tissue growth factor (CTGF), a member of the CCN family of secreted matricellular proteins, regulates fibrosis, angiogenesis, cell proliferation, apoptosis, tumor growth, and metastasis.

CTGF Antibody (C-term) Blocking Peptide - References

Li,M.H., Mol. Cancer Res. 6 (10), 1649-1656 (2008)Bogatkevich,G.S., Am. J. Physiol. Lung Cell Mol. Physiol. 295 (4), L603-L611 (2008)Zhang,P., Tohoku J. Exp. Med. 215 (3), 199-206 (2008)