



CTGF Monoclonal Antibody

Catalog No	YP-mAb-10857
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CTGF CCN2 HCS24 IGFBP8
Immunogen	Synthesized peptide derived from human CTGF AA range: 130-210
Specificity	This antibody detects endogenous levels of human CTGF
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CCN family member 2;CCN2;Cellular communication network factor 2;HCS24; Hypertrophic;CTGF;CTGF CCN2 HCS24 IGFBP8;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)
Observed Band	37kD
Calculated Molecular Weight	37kD
Cell Pathway	Secreted, extracellular space, extracellular matrix . Secreted .
Tissue Specificity	Expressed in bone marrow and thymic cells. Also expressed one of two Wilms tumors tested.
Function	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.,similarity:Belongs to the CCN family.,similarity:Contains 1 CTCK (C-terminal cystine knot-like) domain.,similarity:Contains 1 IGFBP N-terminal domain.,similarity:Contains 1 TSP type-1 domain.,similarity:Contains 1 VWFC domain.,subunit:Monomer.,



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, Nov 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

