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Goat anti-Connective Tissue Growth Factor Antibody

Peptide-affinity purified goat antibody
Catalog # AF4496a

Product Information

Application	IF, Pep-ELISA
Primary Accession	P29279
Other Accession	NP_001892
Reactivity	Human, Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Clone Names	CCN2
Calculated MW	38091

Additional Information

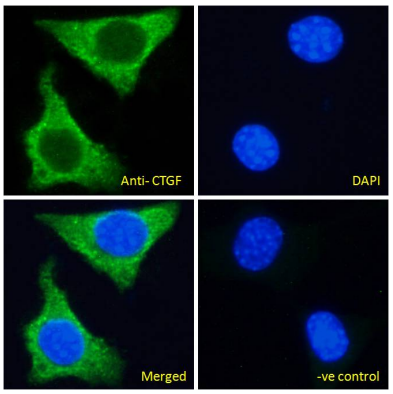
Gene ID	1490
Other Names	CTGF; CCN2; NOV2; IGFBP8; connective tissue growth factor
Dilution	IF~~1:50~200 Pep-ELISA~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat anti-Connective Tissue Growth Factor Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

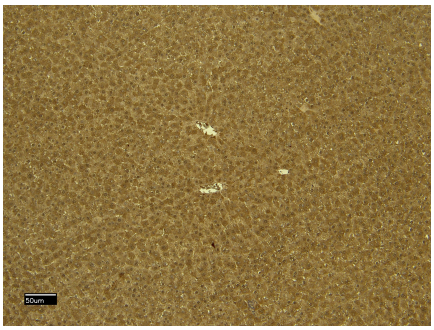
Name	CCN2 (HGNC:2500)
Function	Major connective tissue mitoattractant secreted by vascular endothelial cells. Promotes proliferation and differentiation of chondrocytes. Is involved in the stimulation of osteoblast differentiation and has a critical role in osteogenesis (PubMed:39414788). Mediates heparin- 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.

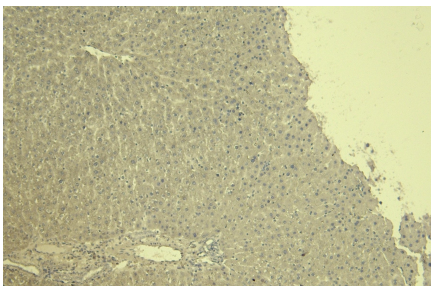
Images



EB06683 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06683 (6µg/ml) staining of paraffin embedded Rat Liver. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06683 Negative Control showing staining of paraffin embedded Rat Liver, with no primary antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.