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[Primary Antibody]

Rabbit Anti-CTGF antibody

Catalog Number: SL22360R

FOR RESEARCH USE ONLY

[DATASHEET]

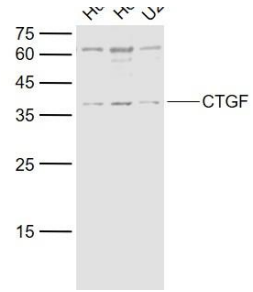
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CTGF
Immunogen:	KLH conjugated synthetic peptide derived from human CTGF: 281-349/349
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, (predicted: Rat, Chicken, Pig, Cow, Horse, Sheep)
Predicted MW.:	36kDa
Subcellular Location:	Extracellular matrix Secretory protein
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]. **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. **Subunit:** Monomer. **Subcellular Location:** Secreted, extracellular space, extracellular matrix. Secreted. **Tissue Specificity:** Expressed in bone marrow and thymic cells. Also

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

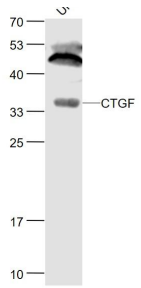
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	expressed one of two Wilms tumors tested. **Similarity:** Belongs to the CCN family. Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 1 IGFBP N-terminal domain. Contains 1 TSP type-1 domain. Contains 1 VWFC domain. **Database links:** **Entrez Gene:** 1490 Human **Entrez Gene:** 64032 Rat Omim: 121009 Human **SwissProt:** P29279 Human **SwissProt:** P29268 Mouse **SwissProt:** Q9R1E9 Rat **Unigene:** 410037 Human **Unigene:** 390287 Mouse Growth factors and hormones（ Growth Factor and Hormones） Connective tissue growth factor (CTGF) is an important effector molecule that regulates cell proliferation, differentiation, and Extracellular matrix formation. It is a factor that can regulate the growth of related tissues and cells in the body and is closely related to the occurrence of fibrosis, thus having important physiological significance in various wound repair processes of the body.

[VALIDATION IMAGES]



Sample:
Lane 1: Huvec (Human) Cell Lysate at 30 ug
Lane 2: Hela (Human) Cell Lysate at 30 ug
Lane 3: U2os (Human) Cell Lysate at 30 ug
Primary:
Anti-CTGF (SL22360R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 38/35 kD
Observed band size: 38 kD



Sample:
Urinary bladder (Mouse) Lysate at 40 ug
Primary: Anti- CTGF (SL22360R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 36 kD
Observed band size: 36 kD

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