

CTGF Rabbit pAb

CTGF Rabbit pAb
Catalog # AP52180

Product Information

Application	WB
Primary Accession	P29268
Reactivity	Mouse, Rat
Predicted	Chicken, Dog, Pig, Rabbit, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37824
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CTGF
Epitope Specificity	221-349/349
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted, extracellular space, extracellular matrix. Secreted.
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.
SUBUNIT	Monomer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	14219
Other Names	CCN family member 2, Cellular communication network factor 2, Connective tissue growth factor, Hypertrophic chondrocyte-specific protein 24, Protein FISP-12, Ccn2 {ECO:0000312 MGI:MGI:95537}
Target/Specificity	Expressed in bone marrow and thymic cells. Also expressed one of two Wilms tumors tested.
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Ccn2 {ECO:0000312 MGI:MGI:95537}
Function	Major connective tissue mitogen secreted by vascular endothelial cells. Promotes proliferation and differentiation of chondrocytes (By similarity). 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 (By similarity). Enhances fibroblast growth factor-induced DNA synthesis (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix. Secreted
Tissue Location	Testis, spleen, kidney, lung, heart, and brain (lowest level in testis and highest in lung)

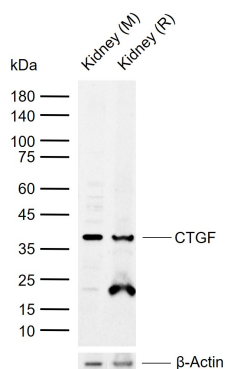
Background

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].

References

Bradham D.M., et al. *J. Cell Biol.* 114:1285-1294(1991).
Igarashi A., et al. *J. Dermatol.* 19:642-643(1992).
Oemar B.S., et al. *Circulation* 95:831-839(1997).
Li Q.-H., et al. Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.
Dai W.-J., et al. Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.

Images



Sample:

Lane 1: Mouse Kidney tissue lysates

Lane 2: Rat Kidney tissue lysates

Primary: Anti-CTGF (AP52180) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 36 kDa

Observed band size: 38 kDa

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