

# CTGF Rabbit pAb

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Catalog # AP52180

## Product Information

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

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<b>Gene ID</b>	14219
<b>Other Names</b>	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}
<b>Target/Specificity</b>	Expressed in bone marrow and thymic cells. Also expressed one of two Wilms tumors tested.
<b>Dilution</b>	WB=1:500-2000
<b>Storage</b>	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

<b>Name</b>	Ccn2 {ECO:0000312   MGI:MGI:95537}
<b>Function</b>	Major connective tissue mitoattractant 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: <a href="#">39414788</a> ). 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).
<b>Cellular Location</b>	Secreted, extracellular space, extracellular matrix. Secreted
<b>Tissue Location</b>	Testis, spleen, kidney, lung, heart, and brain (lowest level in testis and highest in lung)

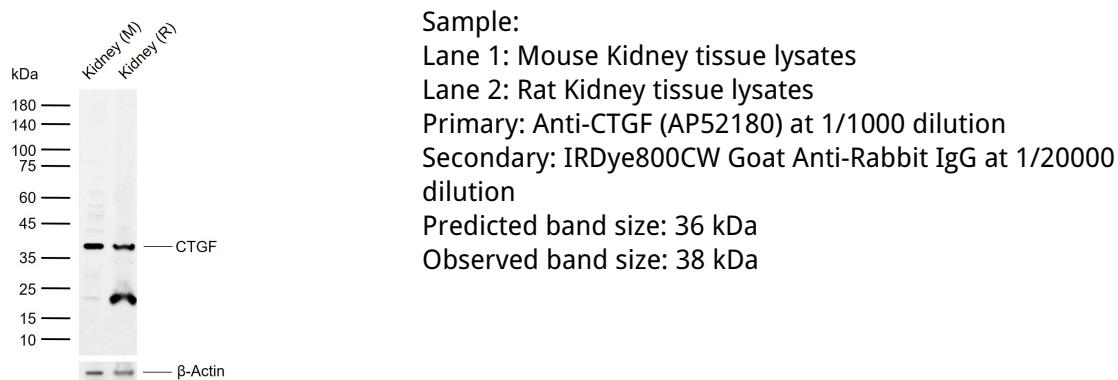
## Background

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## 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



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