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CCN1 Rabbit pAb

Catalog # AP97128

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O00622
Other Accession	O00622
Reactivity	Human
Predicted	Rat, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42027
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Cyr61
Epitope Specificity	251-379/379
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The secreted protein encoded by this gene is growth factor-inducible and promotes the adhesion of endothelial cells. The encoded protein interacts with several integrins and with heparan sulfate proteoglycan. This protein also plays a role in cell proliferation, differentiation, angiogenesis, apoptosis, and extracellular matrix formation. [provided by RefSeq, Sep 2011]

Additional Information

Gene ID	3491
Other Names	CYR61; GIG1; IGFBP10; CCN1_HUMAN; CCN1; Cellular communication network factor 1; Cysteine-rich angiogenic inducer 61; Insulin-like growth factor-binding protein 10 (IBP-10 | IGF-binding protein 10 | IGFBP-10); Protein CYR61; Protein GIG1; CCN1_MOUSE; 3CH61; CCN1_RAT; cysteine rich angiogenic inducer 61
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	CCN1 (HGNC:2654)
Function	Promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. Appears to play a role in wound healing by up- regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGA-A, VEGA-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5. CCN1-mediated gene regulation is dependent on heparin-binding. Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1. Promotes cell adhesion and adhesive signaling through integrin alpha-6/beta-1, cell migration through integrin alpha-v/beta-5 and cell proliferation through integrin alpha-v/beta-3.
Cellular Location	Secreted.

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