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CYR61 Recombinant Rabbit mAb

Catalog # AP98671

Product Information

Application	WB, IHC-P, IHC-F, IF, IP, E
Primary Accession	O00622
Other Accession	O00622
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	42027
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.
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; Protein CYR61 (CCN family member 1) (Cysteine-rich angiogenic inducer 61) (Insulin-like growth factor-binding protein 10) (IBP-10) (IGF-binding protein 10) (IGFBP-10) (Protein GIG1)
Dilution	IHC-P=1:50-200,IHC-F=1:50-200,WB=1:500-2000,IF=1:50-200,ELISA=1:5000-10000,IP=1:50-200
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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