10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Cyr61/CCN1 Antibody (Clone 365108)

Mouse Monoclonal Antibody
Catalog # ABV11245

Specification

Cyr61/CCN1 Antibody (Clone 365108) - Product Information

Application	**WB**
Primary Accession	O00622
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG1**
Calculated MW	**42027**

Cyr61/CCN1 Antibody (Clone 365108) - Additional Information

Gene ID 3491

Application & Usage **WB: 1 µg/ml.**

Other Names
CCN1, G1G1, IGFBP-10

Target/Specificity
Cyr61/CCN1

Antibody Form
Liquid

Appearance
Lyophilized powder

Formulation
Lyophilized from a 0.2 µm filtered solution in PBS with trehalose.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Cyr61/CCN1 Antibody (Clone 365108) is for research use only and not for use in diagnostic or therapeutic procedures.

Cyr61/CCN1 Antibody (Clone 365108) - Protein Information

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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.

Cyr61/CCN1 Antibody (Clone 365108) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cyr61/CCN1 Antibody (Clone 365108) - Images

Cyr61/CCN1 Antibody (Clone 365108) - Background

Cyr61 is a member of angiogenic and vasculogenic regulators designated CCN proteins, which includes CTGF, Cyr61 homolog, Fisp2. Cyr61 functions as an angiogenic inducer, stimulating cell adhesion and migration and promotes DNA synthesis of human vascular endothelial cells. Elevated expression of Cyr61 is observed during vessel growth, wound healing and chondrocyte differentiation.