

CYR61 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21805c

Product Information

Application WB, E **Primary Accession** 000622 Reactivity Human Host Rabbit Clonality polyclonal Isotype Rabbit IgG **Clone Names** RB53929 Calculated MW 42027

Additional Information

Gene ID 3491

Other Names 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, CYR61, CCN1, GIG1, IGFBP10

Target/SpecificityThis CYR61 antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 143-174 amino acids from the Central

region of human CYR61.

Dilution WB~~1:2000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions CYR61 Antibody (Center) is for research use only and not for use in diagnostic

or therapeutic procedures.

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.

Background

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. CYR61-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.

References

Jay P.,et al.Oncogene 14:1753-1757(1997).

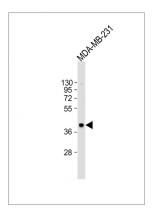
Martinerie C.,et al.Mol. Pathol. 50:310-316(1997).

Albrecht C.,et al.J. Biol. Chem. 275:28929-28936(2000).

Kolesnikova T.V.,et al.Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.

Bi A.B.,et al.Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.

Images



Anti-CYR61 Antibody (Center) at 1:2000 dilution + MDA-MB-231 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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