10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CYR61 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21805c

Specification

CYR61 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O00622
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**42027**

CYR61 Antibody (Center) - 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/Specificity
This 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

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.

CYR61 Antibody (Center) - 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.

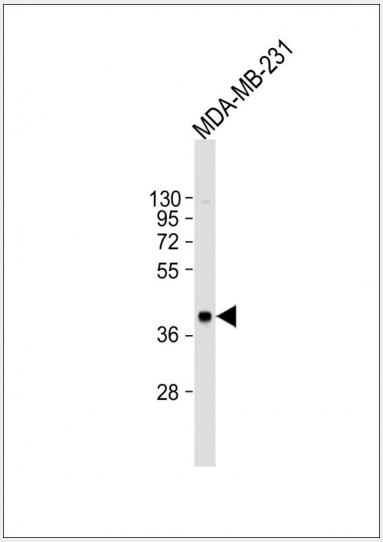
Cellular Location
Secreted.

CYR61 Antibody (Center) - 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 Antibody (Center) - Images



Anti-CYR61 Antibody (Center) at 1:2000 dilution + MDA-MB-231 whole cell lysate Lysates/proteins at 20 µg 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.

CYR61 Antibody (Center) - 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.

CYR61 Antibody (Center) - 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.
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