

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

**Specification**

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**CYR61 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O00622</a>
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

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.

**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 VEGF-A, VEGF-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5. CCR1-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

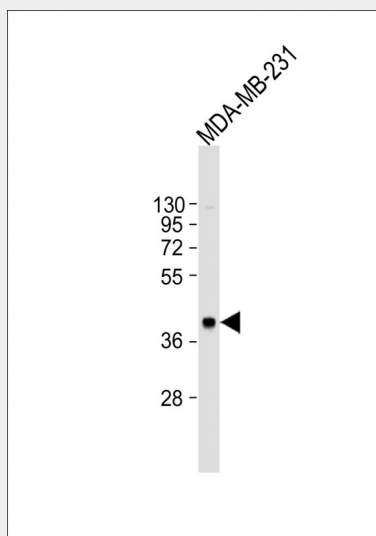
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### CYR61 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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 VEGF-A, VEGF-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).

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