

**Cyr61 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10491****Specification**

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**Cyr61 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P18406</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41709

**Cyr61 Antibody - Additional Information****Gene ID** 16007**Positive Control****Application & Usage**

**Western Blot:** Jurkat cell lysate and mouse small intestine tissue. **IHC:** Liver tissue Western blotting (0.5-4 µg/ml), and Immunohistochemistry (5 µg/ml). However, the optimal conditions should be determined individually. Jurkat cell lysate can be used as positive controls. The antibody detects the full length and cleaved form of Cyr61 protein from samples of human, mouse and rat origins. Cross-reactivity to other species has not been determined.

**Other Names**

CYR61 , 602369 , O00622 , CCN1 , GIG1 , IGFBP10

**Target/Specificity**

CYR61

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit anti-Cyr61 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

## Background Descriptions

### Precautions

Cyr61 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Cyr61 Antibody - Protein Information

**Name** Ccn1 {ECO:0000312|MGI:MGI:88613}

### 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 (By similarity). CCN1-mediated gene regulation is dependent on heparin-binding (By similarity). Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1 (By similarity). Promotes cell adhesion and adhesive signaling through integrin alpha-6/beta-1, cell migration through integrin alpha-1/beta-5 and cell proliferation through integrin alpha-v/beta-3 (By similarity).

### Cellular Location

Secreted.

### Tissue Location

Low in kidney, adrenal gland, testes, brain, and ovary, moderate in heart, uterus, and skeletal muscle, highest in lung

## Cyr61 Antibody - 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 - Images

## Cyr61 Antibody - 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.