


# Anti-CYR61/CCN1 antibody ab228592

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## Overview

<b>Product name</b>	Anti-CYR61/CCN1 antibody
<b>Description</b>	Rabbit polyclonal to CYR61/CCN1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human <b>Predicted to work with:</b> Mouse, Cow, Chimpanzee 
<b>Immunogen</b>	Recombinant fragment within Human CYR61/CCN1 (internal sequence). The exact sequence is proprietary. Database link: <a href="#">O00622</a>
<b>Positive control</b>	WB: Brefeldin A-treated HeLa whole cell extract. IHC-P: Rat intestine tissue. ICC/IF: HeLa cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab228592 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100 - 1/1000.
IHC-P		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 42 kDa.

## Target

### 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. 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.

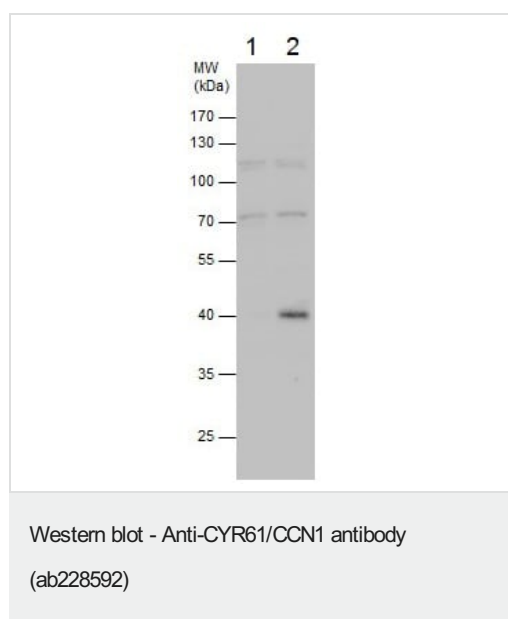
### Sequence similarities

Belongs to the CCN family.  
Contains 1 CTCK (C-terminal cystine knot-like) domain.  
Contains 1 IGFBP N-terminal domain.  
Contains 1 TSP type-1 domain.  
Contains 1 VWFC domain.

### Cellular localization

Secreted.

## Images



**All lanes :** Anti-CYR61/CCN1 antibody (ab228592) at 1/1000 dilution

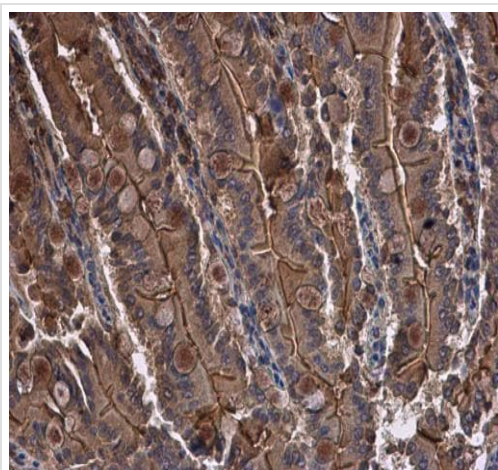
**Lane 1 :** Untreated HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell extract

**Lane 2 :** HeLa (human epithelial cell line from cervix adenocarcinoma) treated with 1X Brefeldin A for 24 hours, whole cell extract

Lysates/proteins at 30 µg per lane.

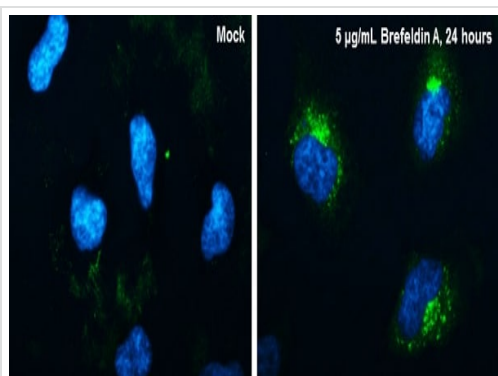
**Predicted band size:** 42 kDa

10% SDS-PAGE gel.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYR61/CCN1 antibody (ab228592)

Paraffin-embedded rat intestine tissue stained for CYR61/CCN1 using ab228592 at 1/500 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-CYR61/CCN1 antibody (ab228592)

4% paraformaldehyde-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells untreated (left panel) and treated with 5 µg/mL Brefeldin A for 24 hours (right panel), stained for CYR61/CCN1 (green) using ab228592 at 1/200 dilution in ICC/IF.

Nuclear counter stain: Hoechst 33342 (blue).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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