

For Research Use Only

# CYR61/CCN1 Polyclonal antibody

Catalog Number: 26689-1-AP

Featured Product

29 Publications



## Basic Information

<b>Catalog Number:</b> 26689-1-AP	<b>GenBank Accession Number:</b> BC001271	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 750 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3491	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> cysteine-rich, angiogenic inducer, 61	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 42 kDa	
<b>Immunogen Catalog Number:</b> AG25129	<b>Observed MW:</b> 42 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB:</b> A431 cells, MDA-MB-453s cells, HeLa cells
<b>Species Specificity:</b> human	<b>IHC:</b> human colon cancer tissue, human ovary tumor tissue
<b>Cited Species:</b> human, rat, mouse	<b>IF:</b> A431 cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

CYR61 is a member of the CYR61/CTGF/NOV (CCN) protein family. CYR61 participated in cell mitogenesis, cellular adhesion, migration, differentiation, angiogenesis, and survival. Cyr61 is especially associated with diseases related to chronic inflammation, including RA, Crohn's disease and ulcerative colitis. CYR61 may serve essential roles as either an oncogene or a tumor suppressor, depending on the cancer cell type. CYR61 also induces angiogenesis, which supplies oxygen and nutrients to tumors during growth. CYR61 can also play a role in the proliferation, invasion, survival, and metastasis of cancer cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaobing Miao	32976820	Exp Mol Pathol	WB, IHC
Gang Xu	34480788	Environ Toxicol	WB
Nathan C Balukoff	33188200	Nat Commun	WB, IF

## Storage

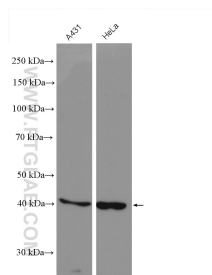
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

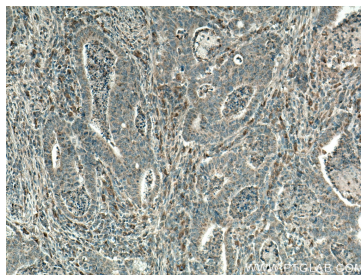
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

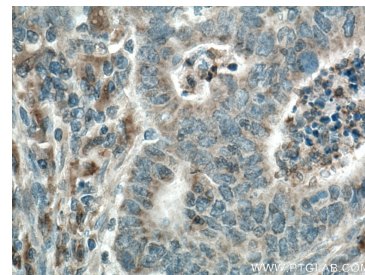
## Selected Validation Data



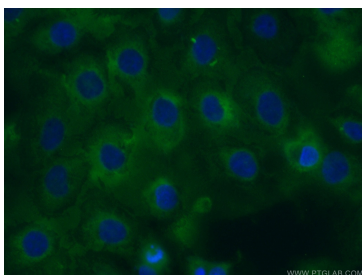
Various lysates were subjected to SDS PAGE followed by western blot with 26689-1-AP (CYR61/CCN1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 26689-1-AP (CYR61/CCN1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 26689-1-AP (CYR61/CCN1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using 26689-1-AP (CYR61/CCN1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).