

For Research Use Only

# SDCCAG3 Polyclonal antibody

Catalog Number: 15969-1-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

15969-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8745

### GenBank Accession Number:

BC014515

### GeneID (NCBI):

10807

### UNIPROT ID:

Q96C92

### Full Name:

serologically defined colon cancer antigen 3

### Calculated MW:

412 aa, 46 kDa

### Observed MW:

48-60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:200-1:1000

IHC: 1:20-1:200

IF/ICC: 1:200-1:800

FC (Intra): 0.40 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: HeLa cells, mouse testis tissue, rat testis tissue

IHC: human colon cancer tissue,

IF/ICC: HepG2 cells,

FC (Intra): HepG2 cells,

## Background Information

SDCCAG3, also named as NY-CO-3, is identified as serologically defined colon cancer antigen-3. It is an endosomal protein which is involved in the regulation of cytokinesis. SDCCAG3 is involved in modulation of TNF response. This gene has four isoforms with MW 40-50 kDa. Observed MW this protein is 48-60 kDa may due to phosphorylation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Fangyan Yu	27767179	Sci Rep	WB,IF
Ian J McGough	25278552	J Cell Sci	WB, IF
Ian J McGough	24980502	Curr Biol	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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

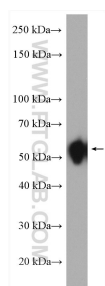
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

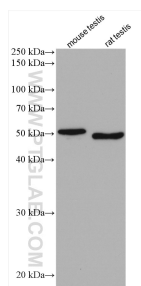
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

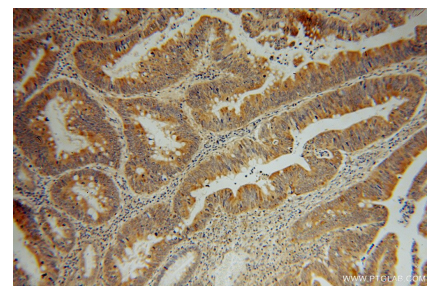
## Selected Validation Data



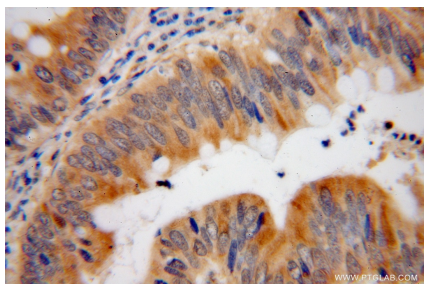
HeLa cells were subjected to SDS PAGE followed by western blot with 15969-1-AP (SDCCAG3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



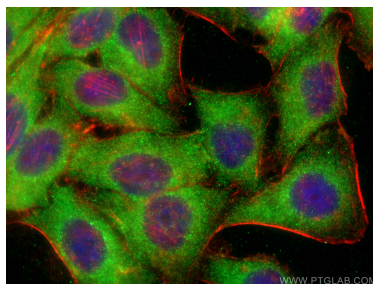
Various lysates were subjected to SDS PAGE followed by western blot with 15969-1-AP (SDCCAG3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



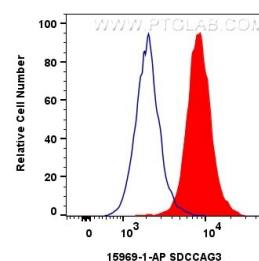
Immunohistochemical analysis of paraffin-embedded human colon cancer using 15969-1-AP (SDCCAG3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 15969-1-AP (SDCCAG3 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using SDCCAG3 antibody (15969-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug SDCCAG3 Polyclonal antibody (15969-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).