For Research Use Only

SDCCAG3 Polyclonal antibody

Catalog Number:15969-1-AP Featured Product 10 Publications

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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

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,

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

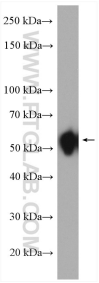
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

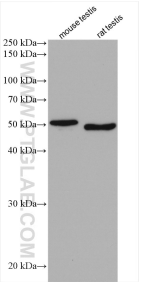
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

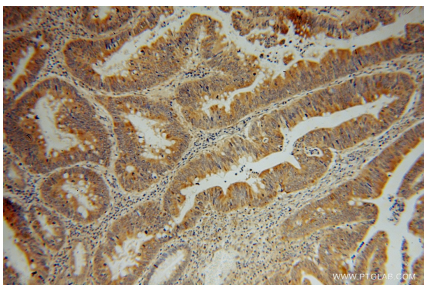
Selected Validation Data



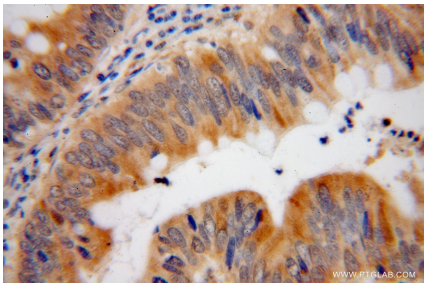
HeLa cells were subjected to SDS PAGE followed by western blot with 15969-1-AP (SDCCAG3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



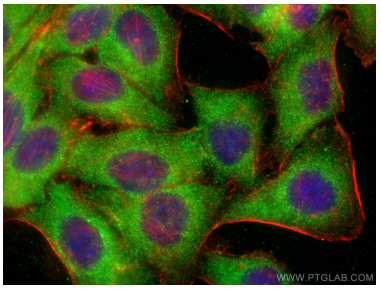
Various lysates were subjected to SDS PAGE followed by western blot with 15969-1-AP (SDCCAG3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



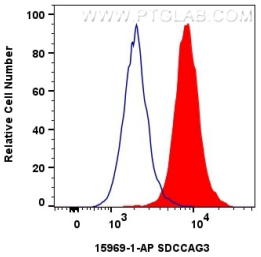
Immunohistochemical analysis of paraffin-embedded human colon cancer using 15969-1-AP (SDCCAG3 antibody) at dilution of 1:50 (under 10x lens).



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).



1x10^6 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).