Basic Information

Catalog Number: 15969-1-AP

Size: 150ul, Concentration: 400 μg/ml by Bradford method using BSA as the standard.
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG8745

GenBank Accession Number: BCO14515
GeneID (NCBI): 10807

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: 1:20-1:200

Applications

Tested Applications:
- IF, IHC, WB, ELISA

Cited Applications:
- IF, WB

Species Specificity:
- human, mouse, rat

Cited Species:
- human, rat

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

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

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<tr>
<th>Author</th>
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<tbody>
<tr>
<td>Fangyan Yu</td>
<td>27767179</td>
<td>Sci Rep</td>
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<tr>
<td>Ian J McGough</td>
<td>25278552</td>
<td>J Cell Sci</td>
<td>WB, IF</td>
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<tr>
<td>Ian J McGough</td>
<td>24980502</td>
<td>Curr Biol</td>
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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

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: proteintechnic@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
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 HepG2 cells using 15969-1-AP (SDCCAG3 antibody) at dilution of 1:50.