

For Research Use Only

# CAPG-Specific Polyclonal antibody



Catalog Number: 19535-1-AP

Featured Product

1 Publications

## Basic Information

### Catalog Number:

19535-1-AP

### Size:

150UL, Concentration: 240 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_001747

### GeneID (NCBI):

822

### Full Name:

capping protein (actin filament), gelsolin-like

### Calculated MW:

39 kDa

### Observed MW:

43 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB: mouse lung tissue, mouse kidney tissue, U-937 cells

IHC: human spleen tissue, human stomach cancer tissue

**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

CapG (gelsolin-like actin-capping protein) is a member of the gelsolin superfamily proteins, which regulates actin filament length by capping or severing filaments. Studies have shown a role for CapG in regulating cell motility. The expression of CapG is upregulated under hypoxia and in turn increases the motility of cells. Recently it has been reported that the overexpression of CapG is associated with the progression of lung adenocarcinoma as well as lymphatic invasion status of cholangiocarcinoma, which may be used for prognosis of these tumors. (21908955,22155129)

## Notable Publications

Author	Pubmed ID	Journal	Application
Shao Fangchun F	21908955	Tohoku J Exp Med	WB

## 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

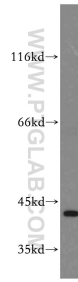
For technical support and original validation data for this product please contact:

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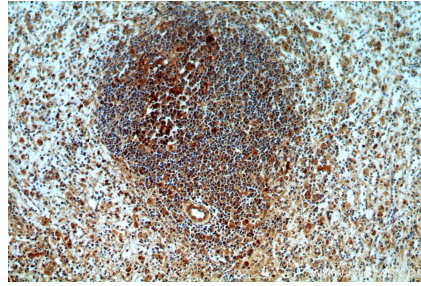
E: proteintech@ptglab.com  
W: ptglab.com

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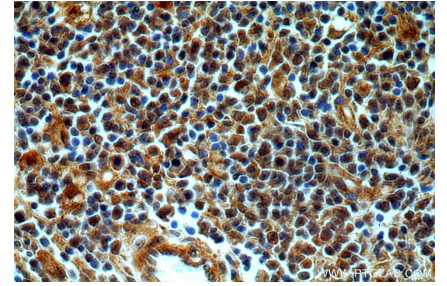
## Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 19535-1-AP (CAPG-Specific antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen using 19535-1-AP (CAPG-Specific antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen using 19535-1-AP (CAPG-Specific antibody) at dilution of 1:50 (under 40x lens).