

For Research Use Only

# API5 Polyclonal antibody

Catalog Number: 25689-1-AP

3 Publications



## Basic Information

### Catalog Number:

25689-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG22524

### GenBank Accession Number:

BC017709

### GeneID (NCBI):

8539

### UNIPROT ID:

Q9BZZ5

### Full Name:

apoptosis inhibitor 5

### Calculated MW:

58 kDa

### Observed MW:

50-55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

### Positive Controls:

WB : HEK-293T cells, MCF-7 cells, NIH/3T3 cells, HepG2 cells, HeLa cells

IHC : human lung tissue,

IF/ICC : HepG2 cells,

**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

The human gene API5 encodes the protein Apoptosis inhibitor 5. This gene encodes an apoptosis inhibitory protein whose expression prevents apoptosis after growth factor deprivation. This protein suppresses the transcription factor E2F1-induced apoptosis and also interacts with, and negatively regulates acinus, a nuclear factor involved in apoptotic DNA fragmentation. Its depletion enhances the cytotoxic action of chemotherapeutic drugs. Diseases associated with API5 include colon adenocarcinoma, and cervical cancer.

## Notable Publications

Author	Pubmed ID	Journal	Application
Qiang Li	30675235	Oncol Lett	WB
Shuang Zhang	28710039	Gene	WB
Arpad Palfi	27527066	Sci Rep	IHC

## 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

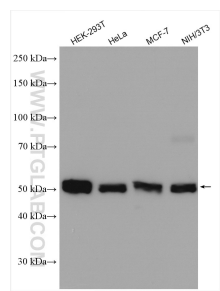
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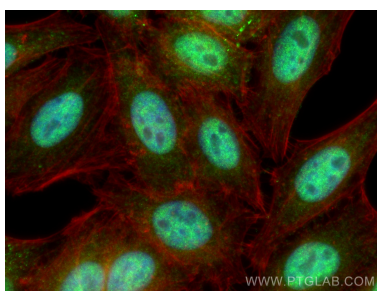
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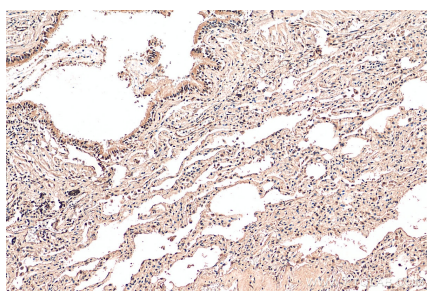
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25689-1-AP (API5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using API5 antibody (25689-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 25689-1-AP (API5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).