

For Research Use Only

# API5 Polyclonal antibody

Catalog Number: 25689-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 25689-1-AP	<b>GenBank Accession Number:</b> BC017709	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8539	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> apoptosis inhibitor 5	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 58 kDa	
<b>Immunogen Catalog Number:</b> AG22524	<b>Observed MW:</b> 50-55 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, MCF-7 cells, NIH/3T3 cells
<b>Cited Applications:</b> IHC, WB	<b>IHC :</b> human lung tissue,
<b>Species Specificity:</b> human, mouse	<b>IF :</b> HepG2 cells,
<b>Cited Species:</b> human, mouse	

**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

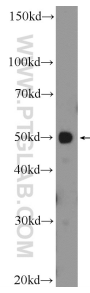
## Storage

**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

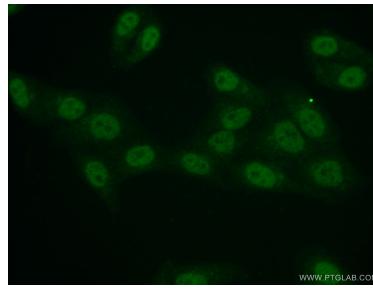
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

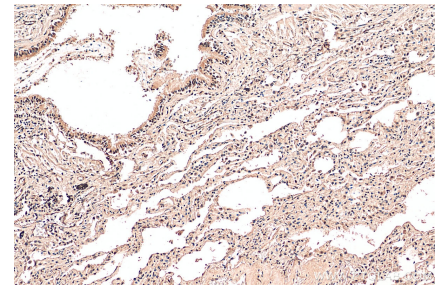
## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 25689-1-AP (API5 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 25689-1-AP (API5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).