

For Research Use Only

API5 Polyclonal antibody

Catalog Number: 25689-1-AP

3 Publications



Basic Information

Catalog Number: 25689-1-AP	GenBank Accession Number: BC017709	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 8539	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9BZZ5	
Isotype: IgG	Full Name: apoptosis inhibitor 5	
Immunogen Catalog Number: AG22524	Calculated MW: 58 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HEK-293T cells, MCF-7 cells, NIH/3T3 cells, HepG2 cells, HeLa cells
Cited Applications: WB, IHC	IHC : human lung tissue,
Species Specificity: human, mouse	IF/ICC : HepG2 cells,
Cited Species: 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

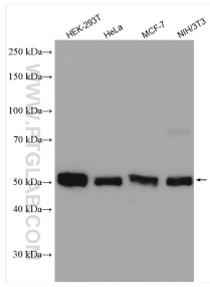
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

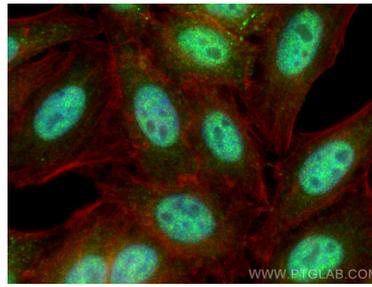
For technical support and original validation data for this product please contact:
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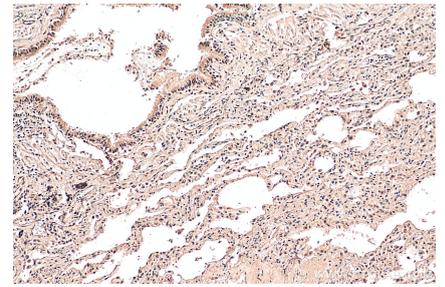
Selected Validation Data



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).