

For Research Use Only

# BAK Polyclonal antibody

Catalog Number: 30017-1-AP

1 Publications



## Basic Information

Catalog Number:

30017-1-AP

Concentration:

850 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27958

GenBank Accession Number:

BC004431

GeneID (NCBI):

578

UNIPROT ID:

Q16611

Full Name:

BCL2-antagonist/killer 1

Calculated MW:

23 kDa

Observed MW:

23-25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

duck

Positive Controls:

WB : HEK-293 cells, Neuro-2a cells, PC-12 cells, HeLa cells, THP-1 cells

IP : HEK-293 cells,

IF/ICC : HeLa cells,

## Background Information

The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein localizes to mitochondria, and functions to induce apoptosis. It interacts with and accelerates the opening of the mitochondrial voltage-dependent anion channel, which leads to a loss in membrane potential and the release of cytochrome c. This protein also interacts with the tumor suppressor P53 after exposure to cell stress.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuhong Pan	37877719	J Virol	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:

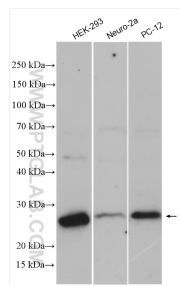
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

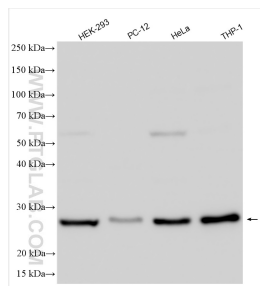
W: [ptgcn.com](http://ptgcn.com)

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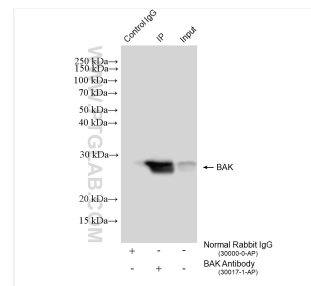
## Selected Validation Data



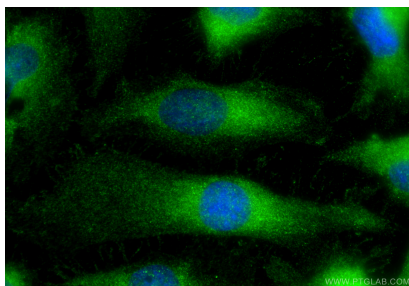
Various lysates were subjected to SDS PAGE followed by western blot with 30017-1-AP (BAK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 30017-1-AP (BAK antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-BAK (IP: 30017-1-AP, 4ug; Detection: 30017-1-AP 1:6000) with HEK-293 cells lysate 1640 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using BAK antibody (30017-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).