

For Research Use Only

BAK Polyclonal antibody

Catalog Number: 30017-1-AP

1 Publications



Basic Information

Catalog Number:

30017-1-AP

Size:

150ul, Concentration: 850 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1%BSA

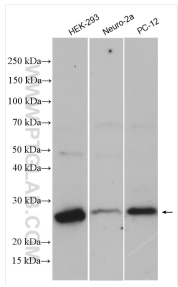
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

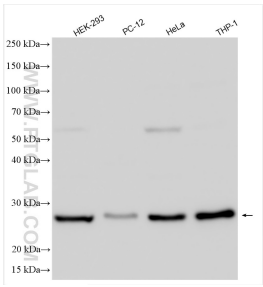
E: proteintech@ptglab.com
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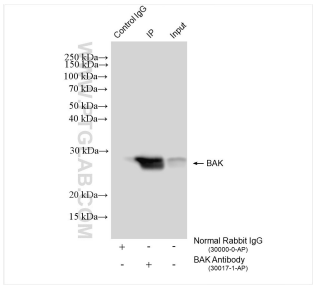
Selected Validation Data



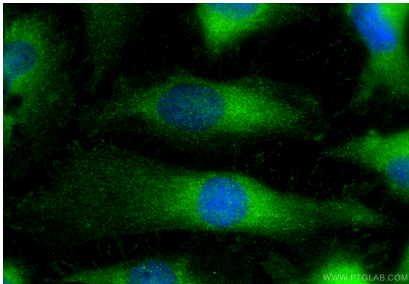
Various lysates were subjected to SDS PAGE followed by western blot with 30017-1-AP (BAK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).