

## BAK Polyclonal antibody

Catalog Number: 29552-1-AP

22 Publications

## Basic Information

## Catalog Number:

29552-1-AP

## Concentration:

450 ug/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG31042

## GenBank Accession Number:

NM\_001188

## 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 1:2000-1:12000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

## Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

## Cited Applications:

WB, IHC

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse, rat, chicken

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

**WB:** A431 cells, Neuro-2a cells, HEK-293 cells, HepG2 cells, Jurkat cells, MOLT-4 cells, 4T1 cells, ROS1728 cells

**IP:** A431 cells,

**IHC:** human colon cancer tissue,

**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
Jingwen Tan	36208777	Chem Biol Interact	WB
Ziqi Liu	39724681	Environ Int	IHC
Si-Yao Cheng	39672454	Food Chem Toxicol	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

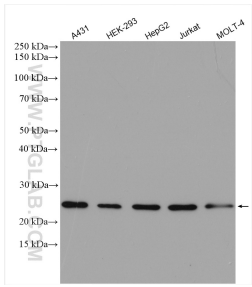
For technical support and original validation data for this product please contact:

T: 4006900926

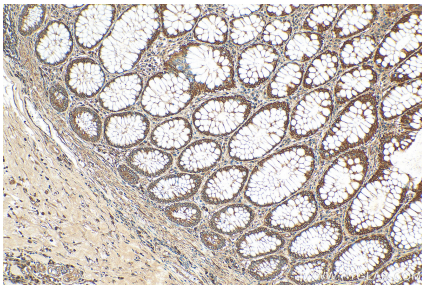
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

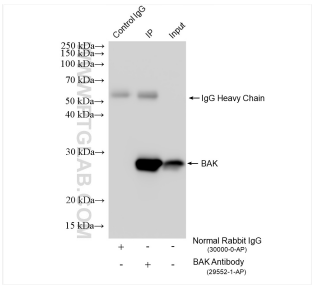
Selected Validation Data



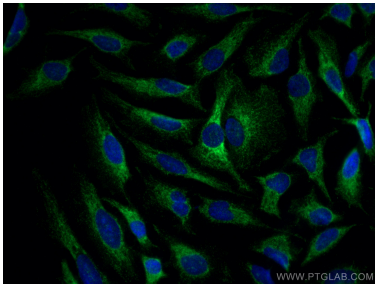
Various lysates were subjected to SDS PAGE followed by western blot with 29552-1-AP (BAK antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29552-1-AP (BAK antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-BAK (IP:29552-1-AP, 4ug; Detection:29552-1-AP 1:3000) with A431 cells lysate 1040 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using BAK antibody (29552-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).