For Research Use Only

BAK Polyclonal antibody

Catalog Number:29552-1-AP Featured Product 44 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
29552-1-AP

Size:
150ul , Concentration: 450 ug/ml by Nanodrop;

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, IF, IP, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat, pig, chicken, hamster

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, rat heart 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
Aislinn Gallagher Aldave	42546696	Cell Chem Biol	
Hanjie Liu	42908035	Biol Direct	

Storage

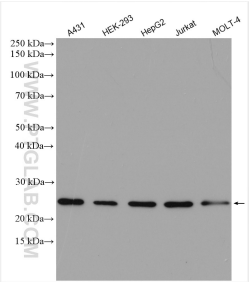
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

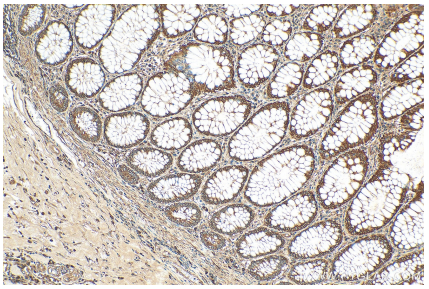
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

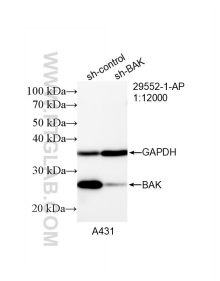
Selected Validation Data



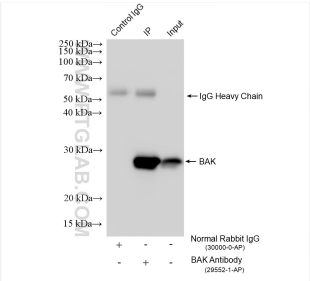
Various lysates were subjected to SDS PAGE followed by western blot with 29552-1-AP (BAK antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



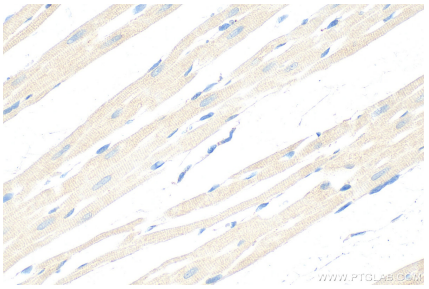
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29552-1-AP (BAK antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



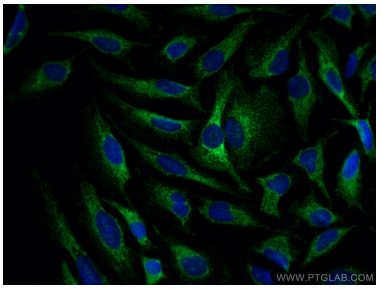
WB result of BAK antibody (29552-1-AP; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-BAK transfected A431 cells.



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



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 29552-1-AP (BAK antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).