

For Research Use Only

# BACH1 Polyclonal antibody

Catalog Number: 14018-1-AP

Featured Product

47 Publications



## Basic Information

### Catalog Number:

14018-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by 571 Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5128

### GenBank Accession Number:

BC063307

### GeneID (NCBI):

571

### ENSEMBL Gene ID:

ENSG00000156273

### UNIPROT ID:

O14867

### Full Name:

BTB and CNC homology 1, basic leucine zipper transcription factor 1

### Calculated MW:

82 kDa

### Observed MW:

100-110 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:750-1:3000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF, ChIP

### Species Specificity:

human

### Cited Species:

human, mouse, rat

**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** : HEK-293 cells, MCF-7 cells, Raji cells, HeLa cells, Jurkat cells, K-562 cells

**IHC** : human cervical cancer tissue, human breast hyperplasia tissue, human breast cancer tissue

## Background Information

BTB and CNC homology 1, basic leucine zipper transcription factor 1 (BACH1) is a heme-regulated transcriptional regulator that acts as a repressor or activator and a member of the AP-1 superfamily. MafK belongs to the small Maf family that can function as transcriptional activators or repressors depending on the proteins with which they form heterodimers. BACH1 has crucial roles in both stress responses and transformation by H-RasV12. The molecular weight of expected mobility Bach1 is 100-110 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jose A Godoy-Lugo	36142809	Int J Mol Sci	WB
Yuji Shiozaki	34517786	Autophagy	WB
Yubo Zhao	36064939	Cell Death Dis	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

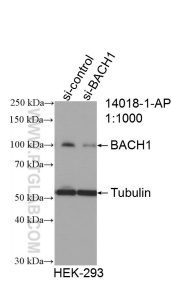
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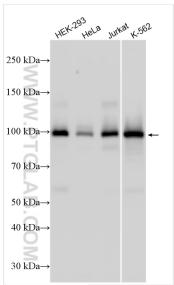
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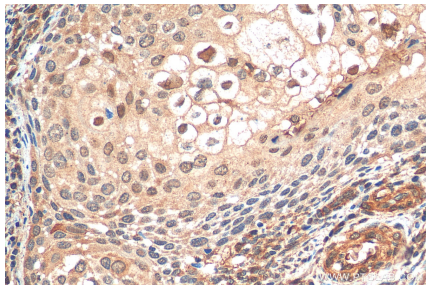
Selected Validation Data



WB result of BACH1 antibody (14018-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-BACH1 transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 14018-1-AP (BACH1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 14018-1-AP (BACH1 antibody) at dilution of 1:1500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).