

For Research Use Only

BACH1 Polyclonal ANTIBODY



Catalog Number: 14018-1-AP

Featured Product

8 Publications

Basic Information

Catalog Number:

14018-1-AP

Size:

150UL, Concentration: 447 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5128

GenBank Accession Number:

BC063307

GeneID (NCBI):

571

Full Name:

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

Calculated MW:

82 kDa

Observed MW:

100-110 kDa, 82 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, 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, HeLa cells, MCF-7 cells, Raji cells

IHC: human breast hyperplasia tissue, human breast cancer tissue, human cervical 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 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
Ping Yang	30867343	Biol Pharm Bull	WB
Chuanyang Su	28645578	Toxicology	WB,IF
Shashipavan Chillappagari	32534959	J Cyst Fibros	IHC

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

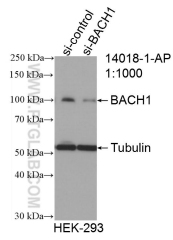
For technical support and original validation data for this product please contact:

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

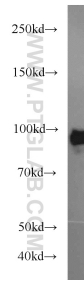
E: proteintech@ptglab.com
W: ptglab.com

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

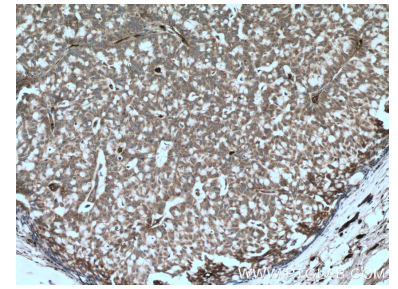
Selected Validation Data



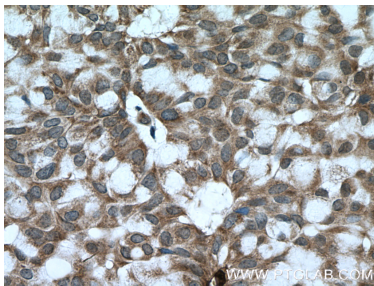
WB result of BACH1 antibody (14018-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-BACH1 transfected HEK-293 cells.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 14018-1-AP (BACH1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 14018-1-AP (BACH1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast hyperplasia tissue slide using 14018-1-AP (BACH1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).