

Datasheet: AHP1426

BATCH NUMBER 154639

Description:	RABBIT ANTI HUMAN BACH1
Specificity:	BACH1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			5ug/ml
ELISA	▪			1/10000 - 1/44000
Immunoprecipitation			▪	
Western Blotting	▪			1/500 - 1/2000
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Chimpanzee, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation Antiserum to human BACH1 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.01% Sodium Azide (NaN₃)

Immunogen Recombinant protein corresponding to amino acids 92-104 of isoform 1 of human BACH1 protein .

External Database Links

UniProt:

[O14867](#)

[Related reagents](#)

Entrez Gene:

[571](#)

BACH1

[Related reagents](#)

RRID AB_2061837

Specificity **Rabbit anti Human BACH1 antibody** recognizes the human Transcription regulator protein BACH1, also known as BTB and CNC homolog 1 or HA2303. BACH1 is a 736 amino acid, ~82 kDa nuclear transcription regulatory protein belonging to the bZIP family, containing a single [BTP \(POZ\)](#) domain and a single [bZIP](#) domain.

BACH1 is found in a wide range of tissues and acts as a transcriptional regulator. It plays an important role in the coordination of transcription in association with small [Maf](#) transcription factors. BACH-1 is inactivated by direct binding to intracellular heme, allowing induction of genes such as heme oxygenase-1 ([Hada et al. 2014](#)).

Histology Positive Control Tissue Human skeletal muscle

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1426>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M363924:200529'

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