

Rabbit anti-Human BACH2 Polyclonal Antibody | anti-BACH2 antibody

BACH2 Antibody (C-term)

CATALOG # AAA285103	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

BACH2; Polyclonal Antibody; BACH2 Antibody (C-term); Transcription regulator protein BACH2; BTB and CNC homolog 2; anti-BACH2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BACH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 815-841 amino acids from the C-terminal region of human BACH2.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Applicable Applications for anti-BACH2 antibody	ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry)
Antigen Region	815-841
Cellular Location	Cytoplasm. Nucleus {ECO:0000255 PROSITE- ProRule:PRU00978, ECO:0000269 PubMed:17018862, ECO:0000269 PubMed:28530713}. Note=Nucleocytoplasmic shuttling is controlled by phosphorylation.
Tissue Location	B-cell specific.
Function	Transcriptional regulator that acts as repressor or activator (By similarity). Binds to Maf recognition elements (MARE) (By similarity). Plays an important role in coordinating transcription activation and repression by MAFK (By similarity). Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1. Positively regulates the nuclear import of actin (By similarity).
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



Application Data

BACH2 Antibody (C-term) (AAA285103) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negativecontrol cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Application Data

All lanes : Anti-BACH2 Antibody (C-term) at 1:2000 dilution Lane 1: 293T/17 whole cell lysate Lane 2: Daudi whole cell lysate Lane 3: K562 whole cell lysate Lane 4: Ramos whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 93 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Application Data

Overlay histogram showing Ramos cells stained with AAA285103 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AAA285103, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

ADDITIONAL INFORMATION

Product Categories/Family for anti-BACH2 antibody	Cell Biology; Immunology; Metabolism
References	Hinks, A., et al. Ann. Rheum. Dis. (2010) In press : Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010) Pierce, B.L., et al. Hum. Hered. 69(3):193-201(2010) Barrett, J.C., et al. Nat. Genet. 41(6):703-707(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	282847373
NCBI GeneID	60468
NCBI Accession #	NP_001164265.1; NP_068585.1
NCBI GenBank Nucleotide #	NM_001170794.1
UniProt Accession #	Q9BYV9; Q59H70; Q5T793; Q9NTS5; E1P518
NCBI Official Full Name	transcription regulator protein BACH2
NCBI Official Synonym Full Names	BTB and CNC homology 1, basic leucine zipper transcription factor 2
NCBI Official Symbol	BACH2
NCBI Official Synonym Symbols	BTBD25
NCBI Protein Information	transcription regulator protein BACH2
UniProt Protein Name	Transcription regulator protein BACH2
UniProt Gene Name	BACH2
UniProt Entry Name	BACH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bach2-antibody-western-blot-flow-cytometry-elisa/285103>