

Rabbit BACH1.3/BACH1 Polyclonal Antibody | anti-BACH1 antibody

Anti-BACH1.3/BACH1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126217	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

BACH1.3/BACH1; Polyclonal Antibody; Anti-BACH1.3/BACH1 Antibody Picoband; anti-BACH1 antibody

PRODUCT SPECIFICATIONS

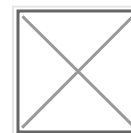
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-BACH1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human BACH1.3/BACH1 recombinant protein (Position: N102-K657).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HepG2 cells using anti-BACH1.3/BACH1 antibody (AAA126217). Overlay histogram showing HepG2 cells stained with AAA126217 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-BACH1.3/BACH1 Antibody (AAA126217, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of BACH1.3/BACH1 using anti-BACH1.3/BACH1 antibody (AAA126217). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HEK293 whole cell lysates, Lane 2: human Raji whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human Hela whole cell lysates, Lane 5: human MCF-7 whole cell lysates, Lane 6: rat C6 whole cell lysates, Lane 7: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-BACH1.3/BACH1 antigen affinity purified polyclonal antibody (#AAA126217) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for BACH1.3/BACH1 at approximately 100 kDa. The expected band size for BACH1.3/BACH1 is at 100 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-BACH1 antibody	Transcription regulator protein BACH1 is a protein that in humans is encoded by the BACH1 gene. This gene encodes a transcription factor that belongs to the cap'n'collar type of basic region leucine zipper factor family (CNC-bZip). The encoded protein contains broad complex, tramtrack, bric-a-brac/poxvirus and zinc finger (BTB/POZ) domains, which is atypical of CNC-bZip family members. These BTB/POZ domains facilitate protein-protein interactions and formation of homo- and/or hetero-oligomers. When this encoded protein forms a heterodimer with MafK, it functions as a repressor of Maf recognition element (MARE) and transcription is repressed. Multiple alternatively spliced transcript variants have been identified for this gene.
Product Categories/Family for anti-BACH1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502353
NCBI GeneID	571
NCBI Accession #	NP_001177.1
NCBI GenBank Nucleotide #	NM_001186.2
UniProt Accession #	O14867; O43285
Molecular Weight	81,958 Da
NCBI Official Full Name	transcription regulator protein BACH1
NCBI Official Synonym Full Names	BTB and CNC homology 1, basic leucine zipper transcription factor 1
NCBI Official Symbol	BACH1
NCBI Official Synonym Symbols	BACH-1
NCBI Protein Information	transcription regulator protein BACH1; HA2303; BTB and CNC homolog 1; basic region leucine zipper transcriptional regulator BACH1
UniProt Protein Name	Transcription regulator protein BACH1
UniProt Gene Name	BACH1
UniProt Entry Name	BACH1_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/bach13-bach1-antibody-flow-cytometry-western-blot-elisa/126217>