

Anti-BACH1 Polyclonal Antibody

Product Details

Ig Type: IgG
 Reactivity: Human, Mouse, Rat (predicted: Chicken, Dog, Pig, Cow, Horse, Rabbit)
 Molecular Weight: Theoretical: 81 kDa. Actual: 81 kDa.
 Purification: Protein A purified

Applications

1. Blank control (black line): Hela.
 Primary Antibody (green line): Rabbit Anti-BACH1 antibody (TMAB-00181)
 Dilution: 2 µg/Test;
 Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488
 Dilution: 0.5 µg/Test.
 Isotype control (orange line): Normal Rabbit IgG

Protocol

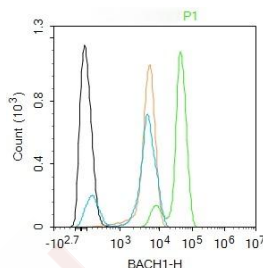
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

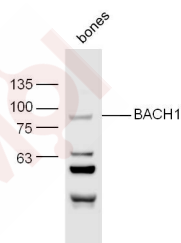
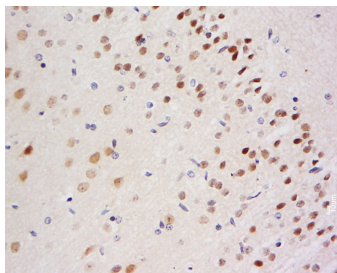
Verified Activity:

2. Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;
 Incubation: Anti-BACH1 Polyclonal Antibody, Unconjugated (TMAB-00181) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAb staining.

3. Sample:

Bone (Mouse) Lysate at 40 µg
 Primary: Anti-BACH1 (TMAB-00181) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 81 kDa
 Observed band size: 81 kDa





Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 2ug/test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human BACH1

Antigen Species: Human

Gene ID: 571

Uniprot ID: O14867

Synonyms: Basic Region Leucine Zipper Transcriptional Regulator BACH1;BTB Domain And CNC Homolog 1; BTB And CNC Homology 1, Basic Leucine Zipper Transcription Factor 1;BTBD24;BACH-1;BTB And CNC Homolog 1;HA2303;BACH1;Transcription Regulator Protein BACH1

Research Background

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. [provided by RefSeq, May 2009]

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