BACH1 Rabbit mAb

Catalog No.: A22230

Recombinant | 1 Publications

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Basic Information

Observed MW
100-110 kDa

Calculated MW
82 kDa

Category
Monoclonal Antibodies

Applications
WB, Auto WB, IP, ChIP, ELISA

Cross Reactivity
Human, Mouse

Clone No.
ARC56290

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.

Recommended Dilutions

WB	1:3000 - 1:12000
Auto WB	1:100 - 1:500

IP
0.5 μg - 4 μg antibody for 200 μg - 600 μg extracts of whole cells

ChIP
5μg antibody for 10μg-15μg of Chromatin

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
571

Swiss-Prot
O14867

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
BACH-1; BTBD24; BACH1

Contact

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Product Information

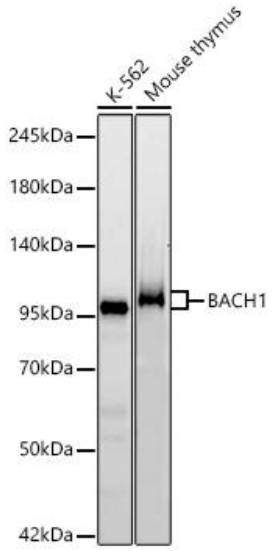
Source
Rabbit

Isotype
IgG

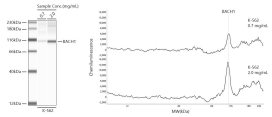
Purity
Affinity purification

Storage
Store at -20℃

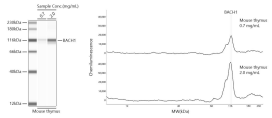
Validation Data



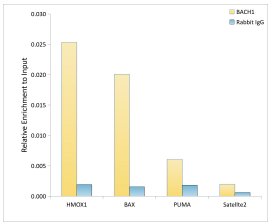
Western blot analysis of various lysates using BACH1 Rabbit mAb (A22230) at 1: 11000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



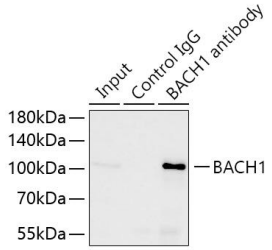
Simple Western™ analysis of lysates from K-562 cells using BACH1 Rabbit mAb (A22230) at 1:100 dilution. The virtual lane view (left) shows the target band (as indicated) with samples in concentrations of 0.7 mg/mL and 2.0 mg/mL. The corresponding electropherogram view (right) plots chemiluminescence intensity against molecular weight along the capillary for sample concentrations of 0.7 mg/mL and 2.0 mg/mL. This experiment was performed under reducing conditions on the Jess™ Simple Western instrument from ProteinSimple, a BioTechne brand, using the 12-230 kDa separation module.



Simple Western™ analysis of lysates from Mouse thymus using BACH1 Rabbit mAb (A22230) at 1:100 dilution. The virtual lane view (left) shows the target band (as indicated) with samples in concentrations of 0.7 mg/mL and 2.0 mg/mL. The corresponding electropherogram view (right) plots chemiluminescence intensity against molecular weight along the capillary for sample concentrations of 0.7 mg/mL and 2.0 mg/mL. This experiment was performed under reducing conditions on the Jess™ Simple Western instrument from ProteinSimple, a BioTechne brand, using the 12-230 kDa separation module.



Chromatin immunoprecipitation analysis of extracts of K562 cells, using BACH1 antibody (A22230) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Immunoprecipitation of BACH1 from 600 µg extracts of K-562 cells was performed using 2 µg of BACH1 Rabbit mAb (A22230). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using BACH1 Rabbit mAb (A22230) at a dilution of 1:10000.

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