

Product datasheet for **CF504484**

BACH1 Mouse Monoclonal Antibody [Clone ID: OTI4E11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4E11
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human BACH1(NP_996749) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	81.8 kDa
Gene Name:	Homo sapiens BTB domain and CNC homolog 1 (BACH1), transcript variant 1, mRNA.
Database Link:	NP_996749 Entrez Gene 571 Human Q14867



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Background:

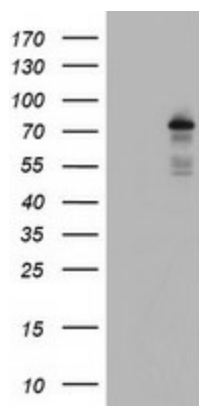
This gene encodes a transcription factor that belongs to the cap'n'collar type of basic region leucine zipper factor family (CNC-bZip). The encoded protein contains broad complex, tramtrack, bric-a-brac/poxvirus and zinc finger (BTB/POZ) domains, which is atypical of CNC-bZip family members. These BTB/POZ 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]

Synonyms:

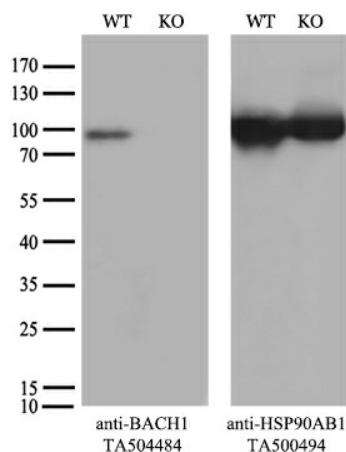
BACH-1; BTBD24

Protein Families:

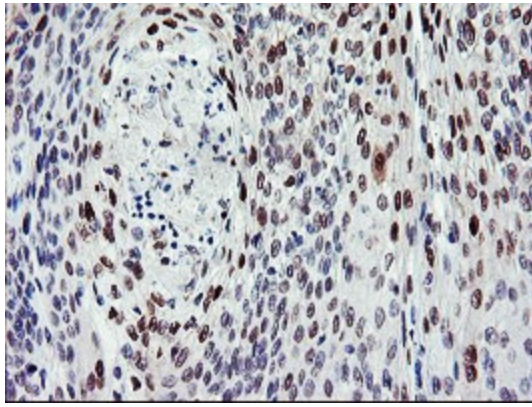
Transcription Factors

Product images:


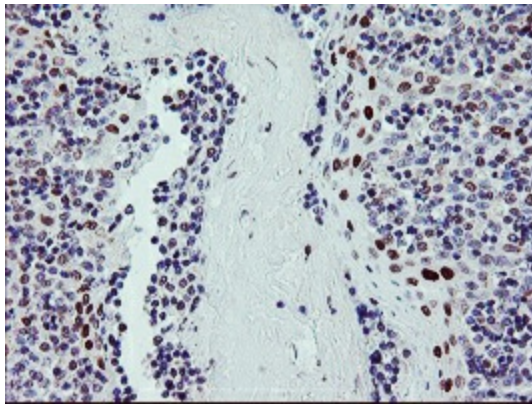
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY BACH1 (Cat# [RC221628], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BACH1 (Cat# [TA504484]). Positive lysates [LY404144] (100ug) and [LC404144] (20ug) can be purchased separately from OriGene.



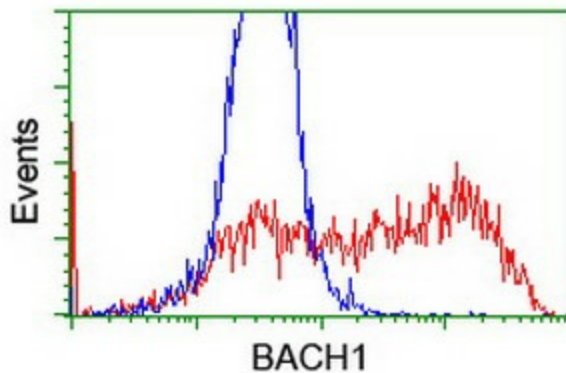
Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and BACH1-Knockout HeLa cells (KO, Cat# [LC835403]) were separated by SDS-PAGE and immunoblotted with anti-BACH1 monoclonal antibody [TA504484] (1:2000). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-BACH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504484])



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-BACH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504484])



HEK293T cells transfected with either [RC221628] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-BACH1 antibody ([TA504484]), and then analyzed by flow cytometry.