

Anti-BACH1 Antibody

Catalog # AP51009

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O14867
Reactivity	Human, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81958

Additional Information

Gene ID	571
Other Names	Transcription regulator protein BACH1; BTB and CNC homolog 1; HA2303
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BACH1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

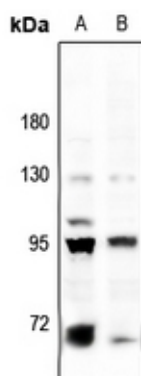
Protein Information

Name	BACH1 {ECO:0000303 PubMed:9544839, ECO:0000312 HGNC:HGNC:935}
Function	Transcriptional regulator that acts as a repressor or activator, depending on the context. Binds to NF-E2 DNA binding sites. Plays important roles in coordinating transcription activation and repression by MAFK (By similarity). Together with MAF, represses the transcription of genes under the control of the NFE2L2 oxidative stress pathway (PubMed: 24035498).
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00978, ECO:0000269 PubMed:24035498}

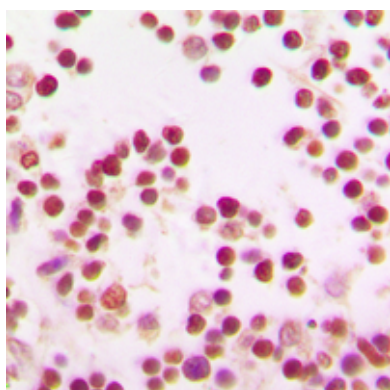
References

Blouin J.-L.,et al.Hum. Genet. 102:282-288(1998).
Ohira M.,et al.Genomics 47:300-306(1998).
Taudien S.,et al.Submitted (JAN-1999) to the EMBL/GenBank/DDBJ databases.

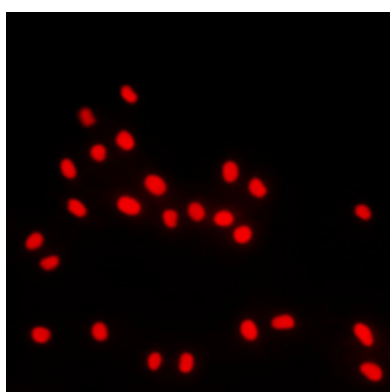
Images



Western blot analysis of BACH1 expression in Myla2059 (A), HuT78 (B) whole cell lysates. (Predicted band size: 81 kD; Observed band size: 95 kD)



Immunohistochemical analysis of BACH1 staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of BACH1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.