

BACH2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14653c**Specification**

BACH2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q9BYV9
Other Accession	NP_001164265.1 , NP_068585.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	92537
Antigen Region	283-312

BACH2 Antibody (Center) - Additional Information**Gene ID** 60468**Other Names**

Transcription regulator protein BACH2, BTB and CNC homolog 2, BACH2

Target/Specificity

This BACH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-312 amino acids from the Central region of human BACH2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

BACH2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

BACH2 Antibody (Center) - Protein Information**Name** BACH2**Function** Transcriptional regulator that acts as a repressor or activator (By similarity). Binds to

Maf recognition elements (MARE) (By similarity). Plays an important role in coordinating transcription activation and repression by MAFK (By similarity). Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1 (PubMed:[17018862](#)). Positively regulates the nuclear import of actin (By similarity). Is a key regulator of adaptive immunity, crucial for the maintenance of regulatory T-cell function and B-cell maturation (PubMed:[28530713](#)).

Cellular Location

Cytoplasm. Nucleus {ECO:0000255|PROSITE- ProRule:PRU00978, ECO:0000269|PubMed:17018862, ECO:0000269|PubMed:28530713}. Note=Nucleocytoplasmic shuttling is controlled by phosphorylation.

Tissue Location

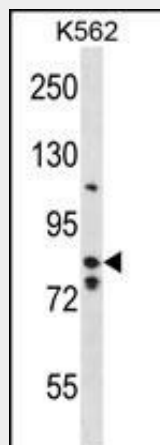
B-cell specific.

BACH2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BACH2 Antibody (Center) - Images



BACH2 Antibody (Center) (Cat. #AP14653c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the BACH2 antibody detected the BACH2 protein (arrow).

BACH2 Antibody (Center) - Background

BACH2 is a transcriptional regulator that acts as repressor or activator. Binds to Maf recognition elements (MARE). Play important roles in coordinating transcription activation and repression by MAFK (By similarity).

BACH2 Antibody (Center) - References

Hinks, A., et al. Ann. Rheum. Dis. (2010) In press :
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010)
Pierce, B.L., et al. Hum. Hered. 69(3):193-201(2010)
Barrett, J.C., et al. Nat. Genet. 41(6):703-707(2009)