

BACH2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14653c**Specification**

BACH2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9BYV9](#)**BACH2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 60468**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

BACH2 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

BACH2 Antibody (Center) Blocking Peptide - Images

BACH2 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)