BACH1 (F-9): sc-271211

**BACKGROUND**

Members of the small Maf family (MafK, MafF, and MafG) are basic region leucine zipper (bZip) proteins that can function as transcriptional activators or repressors. They dimerize with other proteins and bind DNA to either repress or activate transcription depending on the dimer compositions. BACH1 and BACH2, heterodimerization partners of MafK, are members of a novel family of BTB/POZ-basic region leucine zipper (bZIP) factors. BACH1 and BACH2 have significant similarity to each other in BTB domain and Cap "n" collar-type bZIP domain but are otherwise divergent. BACH1 appears ubiquitous, whereas BACH2 is restricted to monocytes and neuronal cells and is abundantly expressed in the early stages of B cell differentiation.

**PRODUCT**

Each vial contains 200 µg IgG<sub>κ</sub> kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-271211X, 500 µg/0.1 ml.

BACH1 (F-9) is available conjugated to agarose (sc-271211 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-271211 HRP), 200 µg/ml, for Western Blotting (WB), to phycoerythrin (sc-516141), Alexa Fluor® 594 (sc-271211 AF594), Alexa Fluor® 488 (sc-271211 AF488), Alexa Fluor® 546 (sc-271211 AF546), Alexa Fluor® 647 (sc-271211 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-271211 AF680) or Alexa Fluor® 790 (sc-271211 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

**APPLICATIONS**

BACH1 (F-9) is recommended for detection of BACH1 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for BACH1 siRNA (h): sc-37064, BACH1 siRNA (m): sc-37065, BACH1 shRNA Plasmid (h): sc-37064-SH, BACH1 shRNA Plasmid (m): sc-37065-SH, BACH1 shRNA (h) Lentiviral Particles: sc-37064-V and BACH1 shRNA (m) Lentiviral Particles: sc-37065-V.

BACH1 (F-9) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of BACH1: 92 kDa.

Positive Controls: Raji whole cell lysate: sc-364236, K-562 whole cell lysate: sc-2203 or MCF7 whole cell lysate: sc-2206.

**SOURCE**

BACH1 (F-9) is a mouse monoclonal antibody raised against amino acids 591-720 mapping near the C-terminus of BACH1 of human origin.

**CHROMOSOMAL LOCATION**

Genetic locus: BACH1 (human) mapping to 21q21.3; Bach1 (mouse) mapping to 16 C3.3.

**DATA**

**SELECT PRODUCT CITATIONS**


**STORAGE**

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

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