

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects endogenous mouse BACH1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse BACH1 Ser133-Gly513 Accession # P97302
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

BACH1 (BTB and CNC homolog 1; also basic leucine zipper transcription factor 1) is a ubiquitously expressed member of the Bach family of transcription factors. Although its predicted MW is 82 kDa, it runs anomalously at 110 kDa in SDS-PAGE. BACH1 forms noncovalent homodimers, and heterodimers with Maf oncoproteins and p53-related proteins. It apparently serves as an architectural component for gene regulatory protein complexes. Mouse BACH1 is 739 amino acids (aa) in length. It contains a protein-interaction BTB domain (aa 24-127), a DNA-binding motif (aa 565-580), and a Leu-zipper domain (aa 588-610). This molecule should not be confused with Bach1/Fancj/Brip1 helicase. Over aa 133-513, mouse BACH1 shares 75% and 88% aa identity with human and rat BACH1, respectively.

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