

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human BACH1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human BACH1 Ser133-Glu513 Accession # O14867
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunohistochemistry	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 non-covalent homodimers, and heterodimers with Maf oncoproteins and p53-related proteins. It apparently serves as an architectural component for gene regulatory protein complexes. Human BACH1 is 736 amino acids (aa) in length. It contains a protein-interaction BTB domain (aa 24-127), a DNA-binding motif (aa 562-577), and a Leu-zipper domain (aa 585-607). This molecule should not be confused with Bach1/Fancj/Brip1 helicase. There are two BACH1 splice variants with a 24 and 31 aa substitution for aa 593-736, respectively. Over aa 133-513, human BACH1 shares 75% aa identity with mouse BACH1.

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