

DESCRIPTION

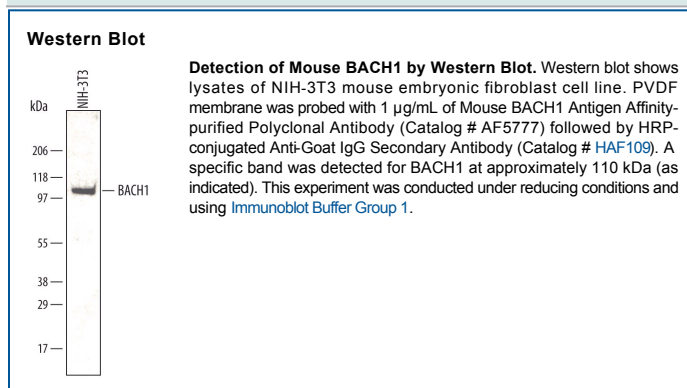
Species Reactivity	Mouse
Specificity	Detects endogenous mouse BACH1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse BACH1 Ser133-Gly513 Accession # P97302
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month from date of receipt, 2 to 8 °C, reconstituted. ● 6 months from date of receipt, -20 to -70 °C, reconstituted.

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.