

Datasheet for ABIN129585

anti-BACH1 antibody (Isoform 1)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	BACH1
Binding Specificity:	AA 92-104, Isoform 1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BACH1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein corresponding to amino acids 92-104 of human BACH1 protein. Immunogen type: Recombinant
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	BACH1
Alternative Name:	BACH1 (BACH1 Products)
Background:	BACH1 (also known as BRCA1 interacting protein C-terminal helicase 1, BRCA1-interacting

Target Details

protein 1 and BRCA1-associated C-terminal helicase 1) is a member of the RecQ DEAH helicase family and interacts with the BRCT repeats of breast cancer, type 1 (BRCA1). The bound complex is important in the normal double-strand break repair function of breast cancer, type 1 (BRCA1). The BACH1 gene may be a target of germline cancer-inducing mutations. BACH1 is localized within the nucleus and functions as a DNA-dependent ATPase and 5' to 3' DNA helicase. Two isoforms have been identified for this protein.

Synonyms: BRAC 1 Associated C Terminal Helicase 1 antibody, BRCA 1 Interacting Protein 1 antibody, BRCA1 binding helicase like protein BACH1 antibody, BRCA1 interacting protein C terminal helicase 1 antibody, BRIP 1 antibody

Gene ID: 83990, 14042978

UniProt: [Q9BX63](#)

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 105 -140 kDa in size corresponding to isoforms of BACH1 protein by western blotting in the appropriate cell lysate or extract.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C



Western Blotting

Image 1. Western blot using Affinity Purified anti-BACH1 antibody shows detection of a band at ~105 kDa (lane 1) corresponding to human BACH1 present in a 293 whole cell lysate (arrowhead). Lane 2 shows that specific band staining is competed out when the antibody is pre-incubated with the peptide immunogen prior to reaction. Approximately 35 µg of lysate was separated on a 4-20% Tris-Glycine gel by SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:1,000. Reaction occurred 2 h at room temperature followed by washes and reaction with a 1:10,000 dilution of 800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers in lane M (700 nm channel, red). 800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.