



BRIP1, BRCA1 interacting protein C-terminal helicase 1 polyclonal antibody

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Box 1 | Basic Info

Cat. No.	ABP-PAB-10242
Animal ID	RC40104
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_032043
Amount	100 µg

Alternative Name(s): OF, BACH1, BRCA1-interacting protein 1, BRCA1-associated C-terminal helicase 1, BRCA1-binding helicase-like protein BACH1

BRC A1 interacts in vivo with BRCA1 interacting protein C-terminal helicase 1 (BRIP1) also called BACH1, is a member of the RecQ DEAH helicase family and interacts with the BRCT repeats of the breast cancer type 1 protein (BRCA1). Helicases of the RecQ DEAH family have been shown to be important for the maintenance of genomic integrity in prokaryotes and eukaryotes. Members of this family are genes responsible for cancer predisposition disorders like Bloom's syndrome, Werner's syndrome and Rothmund-Thomson syndrome. The BRCA1/BRIP complex is important in the normal double-strand break repair function of BRCA1. Since mutations in BRIP1 interfere with normal double-strand break repair in a manner that is dependent on its BRCA1 binding function, BRIP1 may be a target of germline cancer-inducing mutations.

Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

Immunogen

KLH conjugated synthetic peptide comprised of amino acids 1233 - 1249 [NFKPSPSKNKGMPGFK] of the human BRCA1 interacting protein C-terminal helicase 1 (BRIP1) protein.

Application:

Tested by peptide-specific ELISA (1:1,000).

Storage:

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

References:

1. Menichini P, Linial M: SUV1 and BACH1: a new subfamily of mammalian helicases? *Mutat. Res.* 487(1-2): 67-71 (2001).
2. Cantor SB, Bell DW, Ganesan S, Kass EM, Drapkin R, Grossman S, Wahrer DC, Sgroi DC, Lane WS, Haber DA, Livingston DM: BACH1, a novel helicase-like protein, interacts directly with BRCA1 and contributes to its DNA repair function. *Cell* 105(1): 149-160 (2001).