

<b>Catalog Number:</b>	NB100-350SS
<b>Background:</b>	BRIP1 (also called BACH1) is a helicase that interacts with the BRCT domain of BRCA1 and has a role in BRCA1-dependent DNA repair and checkpoint. BRIP1 has recently been found to be defective in Fanconi anemia complementation group J. BRIP1/FANCI has a function in the Fanconi anemia pathway that is independent of BRCA1 and downstream of FANCD2 activation. (1-4)
<b>Alternate Names:</b>	anti-FANCI protein antibody; anti-BACH 1 antibody; anti-BACH1 BRIP1 antibody; anti-BRIP 1 antibody; anti-BRAC 1 Associated C Terminal Helicase 1 antibody; anti-BRCA 1 Interacting Protein 1 antibody; anti- Fanconi anemia group J protein
<b>Research Areas:</b>	8,101,348,351,0
<b>Immunogen:</b>	Fusion protein 647-1043 of human Brip1.
<b>Clone:</b>	GO11-3E6
<b>Isotype:</b>	IgG1 kappa
<b>Specificity:</b>	This antibody is specific for Brip1.
<b>Species Reactivity:</b>	NB 100-350 recognizes human Brip1.
<b>Uses:</b>	By Western blot, this nuclear protein antibody recognizes a band at 130 kDa, representing Brip1. This antibody does not work in immunofluorescence.  The investigator should determine the optimal working dilution for a specific application.  * Other applications have not been tested.
<b>Dilutions:</b>	Suggested working dilutions * Western Blot 1:500 * Investigator should determine optimal working dilutions.
<b>Positive Controls:</b>	HeLa whole and nuclear extracts, Raji whole cell extracts.
<b>Packaging:</b>	0.025 ml Mouse ascites.
<b>Storage:</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze thaw cycles.
<b>Product Specific References:</b>	1. Cantor, SB, et al. Cell. BACH1, a novel helicase-like protein, interacts directly with BRCA1 and contributes to its DNA repair function. 105 (1): 149-160, 2001. (Western Blot, Immunoprecipitation, human)
<b>General References:</b>	1. Menichini, P., & Linial, M. SUV1 and BACH1: a new subfamily of mammalian helicases? Mut. Res. 487: 67-71, 2001. 2. Ohira, M., et al. Characterization of a human homolog (BACH1) of the mouse Bach1 gene encoding a BTB-basic leucine zipper transcription factor and its mapping to chromosome 21q22.1. Genomics. 47:300-306, 1998. 3. Bridge, W. et al. The BRIP1 helicase function independently of BRCA1 in the Fanconi anemia pathway for DNA crosslink repair. Nature Genetics in press August 2005.



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4. Levitis, M. et. al. The DNA helicase BRIP1 is defective in Fanconi anemia complementation group J. *Nature Genetics* in press August 2005.

**Gene Id:** 83990

**Reference Sequence:** Q9BX63