

Mouse Monoclonal anti-FANCI (GO11-3E6), Sample Size

Catalog Number:	NB100-350SS
Background:	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)
Alternate Names:	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
Host:	Mouse
Research Areas:	Breast Cancer, DNA Repair and DNA Damage, Cancer Research, Genes sensitive to DNA damaging agents
Immunogen:	Fusion protein 647-1043 of human Brip1.
Clone:	GO11-3E6
Isotype:	IgG1 kappa
Specificity:	This antibody is specific for Brip1.
Species Reactivity:	NB 100-350 recognizes human Brip1.
Uses:	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.
Dilutions:	Suggested working dilutions * Western Blot 1:500 * Investigator should determine optimal working dilutions.
Positive Controls:	HeLa whole and nuclear extracts, Raji whole cell extracts. * HeLa Nuclear Extract NB800-PC9 * Hela Whole Cell Lysate NB800-PC1 * Raji Whole Cell Lysate NB800-PC11
Packaging:	0.025 ml Mouse ascites.
Storage:	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze thaw cycles.
Limitations:	This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.
Product Specific References:	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)

General References:

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