

Product Datasheet

BRCA1 Antibody (17F8) NBP1-41185

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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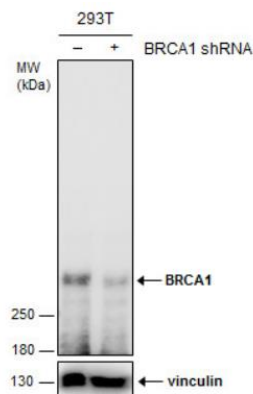
NBP1-41185

BRCA1 Antibody (17F8)

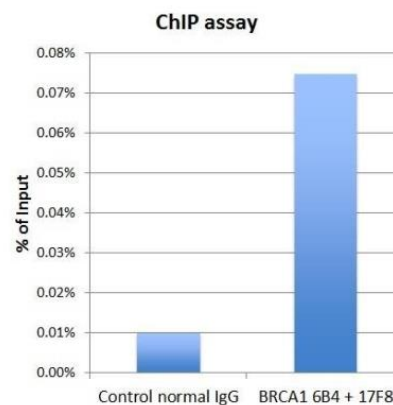
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	17F8
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.2)
Target Molecular Weight	220 kDa
Product Description	
Host	Mouse
Gene ID	672
Gene Symbol	BRCA1
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	This antibody does not recognize the delta exon 11 splice variant of BRCA1. In a high proportion of breast and ovarian cancer cell lines, BRCA1 aberrantly mislocates to the cytoplasm.
Immunogen	Protein fragment expressed in E. coli corresponding to amino acids 762-1315.
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Chromatin Immunoprecipitation 1:10 - 1:500, ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/Immunofluorescence 1 ug/ml, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin

Images

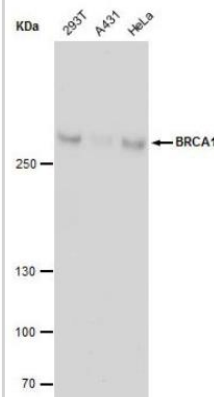
Western Blot: BRCA1 Antibody (17F8) [NBP1-41185] - Non-transfected (-) and transfected (+) 293T whole cell extracts (60 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with BRCA1 antibody [17F8] - CHIP grade.



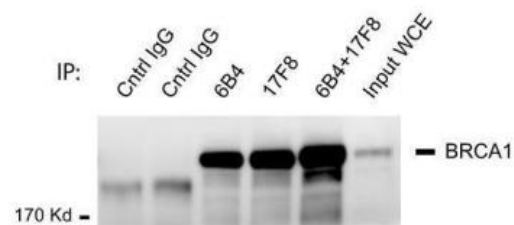
Chromatin Immunoprecipitation: BRCA1 Antibody (17F8) [NBP1-41185] - CHIP grade BRCA1 antibody 6B4 and BRCA1 antibody 17F8 were used for ChIP assay. The 6B4 and 17F8 mixture (3 microgram each), or normal mouse IgG (6 microgram) were incubated with HeLa chromatin extract (100 umicrogram each) in the ChIP assay. Enrichment of genomic DNA on a BRCA1 target gene promoter (HMGA2) was validated by a Q-PCR assay.



Western Blot: BRCA1 Antibody (17F8) [NBP1-41185] - CHIP grade detects BRCA1 protein by western blot analysis. Various whole cell extracts (30 ug) were separated by 5 % SDS-PAGE, and blotted with BRCA1 antibody [17F8] - CHIP grade BRCA1 diluted by 1:500



Immunoprecipitation: BRCA1 Antibody (17F8) [NBP1-41185] - BRCA1 antibody 6B4 and BRCA1 antibody 17F8 was used for IP-WB assay. 6B4 alone (4 microgram), 17F8 alone (4 microgram), 6B4 plus 17F8 (2 microgram each), and mouse control normal IgG were used in an immunoprecipitation assay with MCF7 cell extract. Immunoprecipitated BRCA1 was detected in WB using BRCA1 antibody 6B4 at 1:1000 dilution. HeLa whole cell extract (20 microgram) was used as input in the Western blot assay.



Publications

Bosviel R, Dumollard E, Dechelotte P et al. Can soy phytoestrogens decrease DNA methylation in BRCA1 and BRCA2 oncosuppressor genes in breast cancer? OMICS 2012 May [PMID: 22339411] (ICC/IF, WB, Human)

Vardi A, Bosviel R, Rabiau N et al. Soy phytoestrogens modify DNA methylation of GSTP1, RASSF1A, EPH2 and BRCA1 promoter in prostate cancer cells. In Vivo 2010 Jul [PMID: 20668305] (ICC/IF, WB, Human)

Oishi H, Kitagawa H, Wada O et al. An hGCN5/TRRAP histone acetyltransferase complex co-activates BRCA1 transactivation function through histone modification. J Biol Chem 2006 Jan [PMID: 16260778] (ICC/IF, WB, Human)

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Ongusaha PP, Ouchi T, Kim KT et al. BRCA1 shifts p53-mediated cellular outcomes towards irreversible growth arrest. Oncogene 2003 Jun [PMID: 12802282] (ICC/IF, WB, Human)

Arizti P, Fang L, Park I et al. Tumor suppressor p53 is required to modulate BRCA1 expression. Mol Cell Biol 2000 Oct [PMID: 11003642] (ICC/IF, WB, Human)

Lu M, Arrick BA. Transactivation of the p21 promoter by BRCA1 splice variants in mammary epithelial cells: evidence for both common and distinct activities of wildtype and mutant forms. Oncogene 2000 Dec [PMID: 11175350] (ICC/IF, WB, Human)

de Toledo SM, Azzam EI, Dahlberg WK et al. ATM complexes with HDM2 and promotes its rapid phosphorylation in a p53-independent manner in normal and tumor human cells exposed to ionizing radiation. Oncogene 2000 Dec [PMID: 11175332] (ICC/IF, WB, Human)

Bernard-Gallon DJ, Dechelotte P, Vissac C et al. BRCA1 and BRCA2 protein expressions in an ovotestis of a 46, XX true hermaphrodite. Breast Cancer Res 2001 [PMID: 11250747] (ICC/IF, WB, Human)





Novus Biologicals USA

8100 Southpark Way, A-8
Littleton, CO 80120
USA

Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Novus Biologicals Canada

461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada

Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

Novus Biologicals Europe

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

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NBP1-97005	Mouse IgG1 Isotype Control (MG1)
H00000672-P01-25ug	Recombinant Human BRCA1 Protein

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