

Product Datasheet

BRCA1 Antibody (8F7) - Azide and BSA Free NBP1-41186

Unit Size: 100 ul

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

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NBP1-41186

BRCA1 Antibody (8F7) - Azide and BSA Free

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	8F7
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	208 kDa

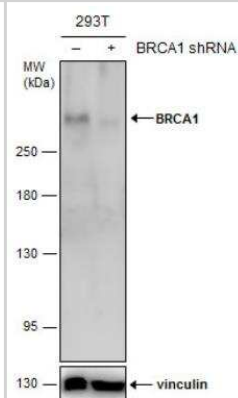
Product Description	
Description	Novus Biologicals Mouse BRCA1 Antibody (8F7) - Azide and BSA Free (NBP1-41186) is a monoclonal antibody validated for use in IHC, WB and IP. Anti-BRCA1 Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene 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. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Protein fragment expressed in E. coli corresponding to amino acids 341-748.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry Assay dependent, Immunoprecipitation Assay dependent, Immunohistochemistry-Paraffin Assay dependent
Application Notes	Perform heat mediated antigen retrieval before commencing with IHC staining protocol (0.1 M citrate buffer at 95C in water bath for 20 min). Avoid nonspecific binding by incubating in normal rabbit anti-mouse serum. Incubate primary antibody overnight and use a biotin-streptavidin amplification kit. Block endogenous peroxidase with 0.3% H ₂ O ₂ for 30 minutes.

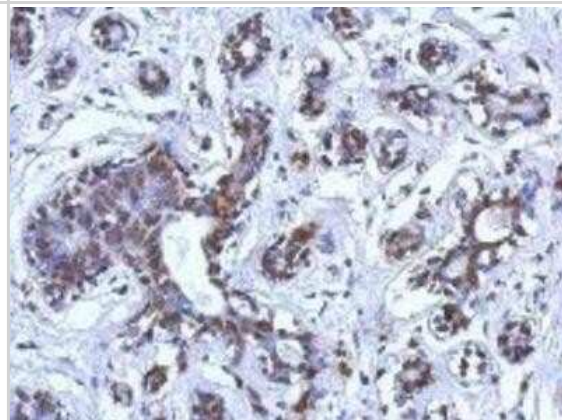


Images

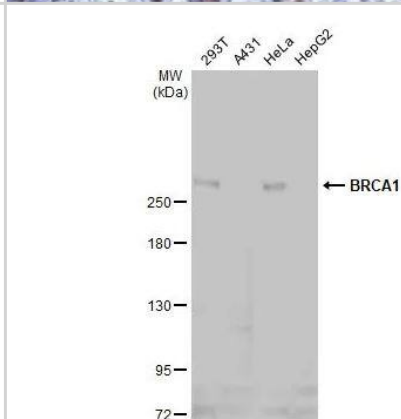
Western Blot: BRCA1 Antibody (8F7) [NBP1-41186] - Non-transfected (-) and transfected (+) 293T whole cell extracts (60 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with BRCA1 antibody [8F7]. HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



Immunohistochemistry: BRCA1 Antibody (8F7) [NBP1-41186] - Paraffin-embedded Breast ca, using BRCA1 antibody at 1:200 dilution.



Western Blot: BRCA1 Antibody (8F7) [NBP1-41186] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with BRCA1 antibody [8F7] diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (NBP2-19382) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



Publications

Chomiak AA, Guo Y, Kopsidas CA et al. Nde1 is required for heterochromatin compaction and stability in neocortical neurons *iScience* 2022-06-17 [PMID: 35601919] (Immunohistochemistry, Human)

Guo Y, Chomiak AA, Hong Y et al. Histone H2A ubiquitination resulting from Brap loss of function connects multiple aging hallmarks and accelerates neurodegeneration *iScience* 2022-07-15 [PMID: 35754718] (WB, Mouse)

Turner NC, Lord CJ, Iorns E et al. A synthetic lethal siRNA screen identifying genes mediating sensitivity to a PARP inhibitor. *EMBO J* 2008-05-01 [PMID: 18388863] (IF/IHC, Human)

Lee MN, Tseng RC, Hsu HS et al. Epigenetic inactivation of the chromosomal stability control genes BRCA1, BRCA2, and XRCC5 in non-small cell lung cancer. *Clin Cancer Res* 2007-02-01 [PMID: 17289874] (IF/IHC, Human)

Al-Mulla F, Abdulrahman M, Varadharaj G et al. BRCA1 gene expression in breast cancer: a correlative study between real-time RT-PCR and immunohistochemistry. *J Histochem Cytochem* 2005-05-01 [PMID: 15872055] (IF/IHC, Human)

Bernard-Gallon DJ, Dechelotte PJ, Le Corre L et al. Differential expressions of BRCA1 and BRCA2 in infantile gynecomastia. *Anticancer Res* 2004-01-01 [PMID: 15015615] (IF/IHC, Human)

Ongusaha PP, Ouchi T, Kim KT et al. BRCA1 shifts p53-mediated cellular outcomes towards irreversible growth arrest. *Oncogene* 2003-06-01 [PMID: 12802282] (IF/IHC, Human)

Okada S, Ouchi T. Cell cycle differences in DNA damage-induced BRCA1 phosphorylation affect its subcellular localization. *J Biol Chem* 2003-01-01 [PMID: 12427729] (IF/IHC, Human)

Reed W, Sandstad B, Holm R et al. The prognostic impact of hormone receptors and c-erbB-2 in pregnancy-associated breast cancer and their correlation with BRCA1 and cell cycle modulators. *Int J Surg Pathol* 2003-04-01 [PMID: 12754622] (IF/IHC, 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* 2001-01-01 [PMID: 11250747] (IF/IHC, Human)





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Products Related to NBP1-41186

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

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