

Product Datasheet

BRCA2 Antibody - BSA Free

NBP1-88361

Unit Size: 0.1 ml

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

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NBP1-88361

BRCA2 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
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	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

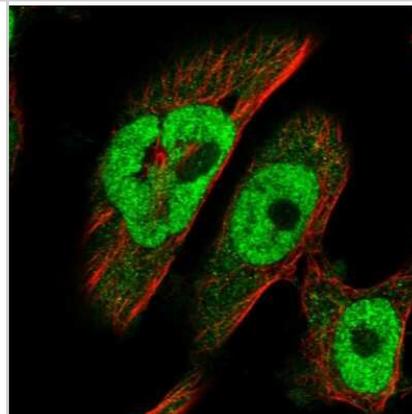
Product Description	
Host	Rabbit
Gene ID	675
Gene Symbol	BRCA2
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VHPISLSSSKCHDSVVSMFKIENHNDKTVSEKNNKCQLILQNNIEMTTGTFVEEI TENYKRNTENEDNKYTAASRNSHNLEFDGSDSSKNDTVCIHKDETDLLFTDQH NICLKLSGQFMKEGNTQIKEDLS

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Flow Cytometry Reported in scientific literature (PMID: 28904740), Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml
Application Notes	ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

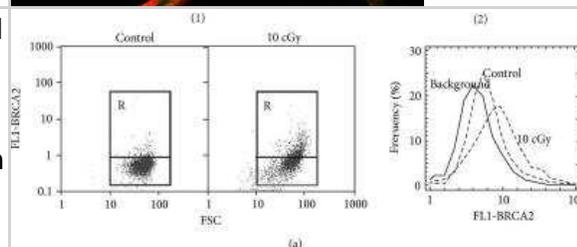


Images

Immunocytochemistry/Immunofluorescence: BRCA2 Antibody [NBP1-88361] - Staining of human cell line U-251 MG shows localization to nucleoplasm & cytosol. Antibody staining is shown in green.



Flow Cytometry: BRCA2 Antibody [NBP1-88361] - DNA damage induced by low-dose radiation and cfDNAox and cfDNAoxR fragments activates repair of nuclear DNA. (a) (1) Flow cytometry detection of BRCA2 in irradiated (10cGy) and control cells stained with anti-BRCA2 antibodies and secondary FITC-conjugated antibodies. Gate R encircles the fraction of MSCs with elevated values of FL1- BRCA2; (2) distribution of cells with varying BRCA2 contents. Image collected and cropped by CiteAb from the following publication (hindawi.com/journals/omcl/2017/9515809/), licensed under a CC-BY license.



Publications

Konkova M, Abramova M, Kalianov A et al. Mesenchymal Stem Cells Early Response to Low-Dose Ionizing Radiation *Frontiers in Cell and Developmental Biology* 2020-12-14 [PMID: 33381502] (ICC/IF, Human)

Manchana T, Tantbirojn P, Pohthipornthawat N BRCA immunohistochemistry for screening of BRCA mutation in epithelial ovarian cancer patients *Gynecologic Oncology Reports* 2020-05-01 [PMID: 32529018] (IHC-P, Human)

Whelan DR, Lee WTC, Yin Y et al. Spatiotemporal dynamics of homologous recombination repair at single collapsed replication forks. *Nat Commun* 2018-09-24 [PMID: 30250272] (WB, Human)

Sergeeva VA, Ershova ES, Veiko NN et al. Low-Dose Ionizing Radiation Affects Mesenchymal Stem Cells via Extracellular Oxidized Cell-Free DNA: A Possible Mediator of Bystander Effect and Adaptive Response *Oxid Med Cell Longev* 2017-09-14 [PMID: 28904740] (FLOW, Human)



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Products Related to NBP1-88361

NBP1-88361PEP	BRCA2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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