

# Product Datasheet

## Rad51 Antibody (13E4) - Azide and BSA Free NB100-499

Unit Size: 100 ul

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

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 9

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**NB100-499**

Rad51 Antibody (13E4) - 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	13E4
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	37 kDa

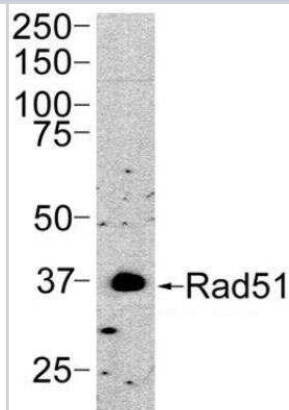
Product Description	
Description	Novus Biologicals Mouse Rad51 Antibody (13E4) - Azide and BSA Free (NB100-499) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Rad51 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5888
Gene Symbol	RAD51
Species	Human, Mouse
Specificity/Sensitivity	This is specific for Rad51.
Immunogen	Recombinant human Rad51 protein.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	Use in ICC/IF reported in scientific literature (PMID:35152263) IHC usage reported in (PMID: 23480638). .



**Images**

Western Blot: Rad51 Antibody (13E4) [NB100-499] - Detection of Rad51 in HeLa whole cell extract.

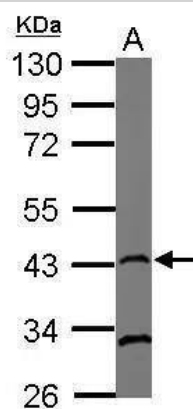


Sample (50 ug of whole cell lysate)

A: mouse testis

10% SDS PAGE

NB100-499 diluted at 1:500

**Publications**

van Kuijk K, Demandt JAF, Perales-PatOn J et al. DEFICIENCY OF MYELOID PHD PROTEINS AGGRAVATES ATHEROGENESIS VIA MACROPHAGE APOPTOSIS AND PARACRINE FIBROTIC SIGNALING: Atherogenic effects of myeloid PHD knockdown Cardiovascular research 2021-04-26 [PMID: 33913468]

Torretta S, Scagliola A, Ricci L et al. D-mannose suppresses macrophage IL-1 beta production Nature communications 2020-12-11 [PMID: 33311467]

Dinarello A, Betto RM, Diamante L et al. STAT3 and HIF1 $\alpha$  cooperatively mediate the transcriptional and physiological responses to hypoxia Cell Death Discovery 2023-07-05 [PMID: 37407568]

Argenton F, Martello G, Tiso N et al. STAT3 and HIF1 $\alpha$  cooperatively mediate the transcriptional and physiological responses to hypoxia Research Square 2023-04-04 (PLA, Mouse)

Vugic D, Dumoulin I, Martin C et al. Replication Gap Suppression Depends on the Double-Strand DNA Binding Activity of BRCA2 SSRN Electronic Journal 2022-04-15 [PMID: 36707518]

Chen B, Xu F, Gao Y et al. DNA damage-induced translocation of mitochondrial factor HIGD1A into the nucleus regulates homologous recombination and radio/chemo-sensitivity Oncogene 2022-02-12 [PMID: 35152263] (ICC/IF, Human)

Dukel M, Streitfeld WS, Tang TC et al. The Breast Cancer Tumor Suppressor TRIM29 is Expressed via ATM-Dependent Signaling in Response to Hypoxia. J. Biol. Chem. 2016-08-17 [PMID: 27535224] (WB)

Revheim ME, Kristian A, Malinen E et al. Intermittent and continuous imatinib in a human GIST xenograft model carrying KIT exon 17 resistance mutation D816H Acta Oncol 2013-05-01 [PMID: 23480638] (IF/IHC, Human)

Gultice AD, Kulkarni-Datar K, Brown TL. Hypoxia-Inducible Factor 1 $\alpha$  (HIF1A) Mediates Distinct Steps of Rat Trophoblast Differentiation in Gradient Oxygen. Biol Reprod;80(1):184-193. 2009-01-01 [PMID: 18815358]



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### **Products Related to NB100-499**

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NB800-PC1	HeLa Whole Cell Lysate
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)

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### **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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