

# Product Datasheet

## MDC1 Antibody - BSA Free

### NB100-397

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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#### Publications: 3

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**NB100-397**

MDC1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

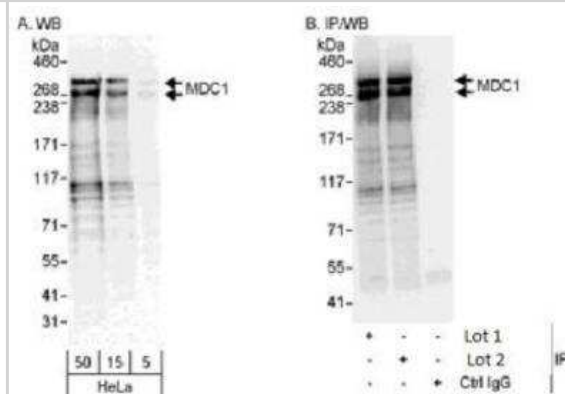
Product Description	
Description	Novus Biologicals Rabbit MDC1 Antibody - BSA Free (NB100-397) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-MDC1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9656
Gene Symbol	MDC1
Species	Human
Reactivity Notes	Based on 100% sequence identity, this antibody is predicted to react with Chimpanzee.
Immunogen	The immunogen this antibody was made to, maps to a region between residues 1375 and 1425 of human Mediator of DNA Damage Checkpoint 1 using the numbering given in entry NP_055456.1 (GeneID 9656).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:5000-1:25000, Immunohistochemistry 1:500-1:2000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:500 - 1:2000
Application Notes	Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. ICC/IF reactivity reported in (PMID: 22373579).

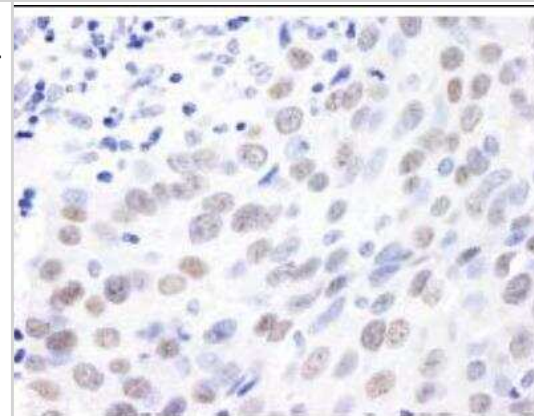


## Images

Western Blot: MDC1 Antibody [NB100-397] - Detection of Human MDC1 by Western Blot and Immunoprecipitation. Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-MDC1 antibody NB100-397 (Lot 2) used for WB at 0.1 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. MDC1 was also immunoprecipitated by Lot 1 of rabbit anti-MDC1 antibody NB100-397. Detection: Chemiluminescence with exposure times of 10 seconds (A) and 3 seconds (B).



Immunohistochemistry-Paraffin: MDC1 Antibody [NB100-397] - FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-MDC1



## Publications

Sottnik JL, Bordeaux EK, Mehrotra S et al. Mediator of DNA Damage Checkpoint 1 (MDC1) Is a Novel Estrogen Receptor Coregulator in Invasive Lobular Carcinoma of the Breast Molecular Cancer Research 2021-08-01 [PMID: 33947745] (Immunocytochemistry/ Immunofluorescence, Human)

Huo D, Chen H, Cheng Y et al. JMJD6 modulates DNA damage response through downregulating H4K16ac independently of its enzymatic activity Cell Death Differ. 2019-07-29 [PMID: 31358914] (ICC/IF, Human)

Mallette FA, Mattioli F, Cui G et al. RNF8- and RNF168-dependent degradation of KDM4A/JMJD2A triggers 53BP1 recruitment to DNA damage sites EMBO J. 2012-04-01 [PMID: 22373579] (ICC/IF, Human)



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### **Products Related to NB100-397**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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