

# Product Datasheet

## RPA14 Antibody (11.1) - Azide and BSA Free NB100-159

Unit Size: 100 ul

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

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**NB100-159**

RPA14 Antibody (11.1) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	11.1
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	14 kDa

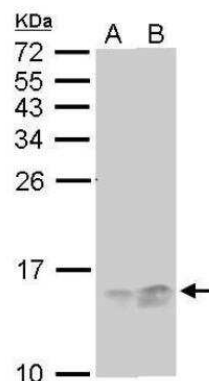
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse RPA14 Antibody (11.1) - Azide and BSA Free (NB100-159) is a monoclonal antibody validated for use in IHC, WB and IP. Anti-RPA14 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	6119
<b>Gene Symbol</b>	RPA3
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	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.
<b>Specificity/Sensitivity</b>	NB100-159 is specific for human and mouse RPA14.
<b>Immunogen</b>	Full-length human RPA-14 expressed in E. coli..

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 0.1-2 ug/ml, Immunohistochemistry 1:100-1:1000, Immunoprecipitation 0.1-2 ug/ml, Immunohistochemistry-Paraffin 1:100-1:1000

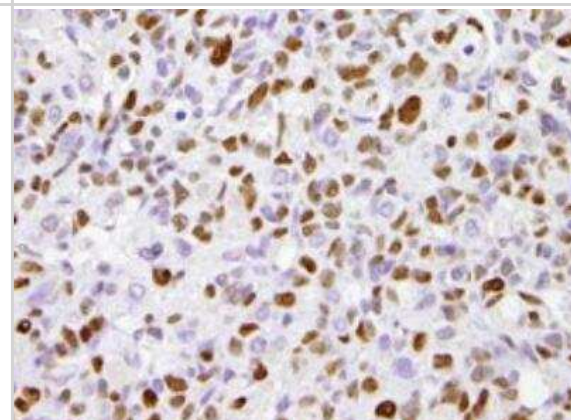


## Images

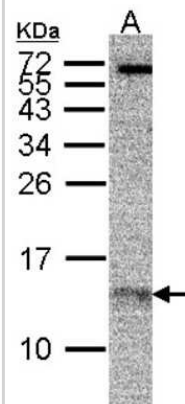
Western Blot: RPA14 Antibody (11.1) [NB100-159] - A: 30 ug A549 whole cell lysate/extract. B: 30 ug MCF-7 whole cell lysate/extract. Separated by 15% SDS-PAGE. RPA14 antibody [11.1] at 1:1000.



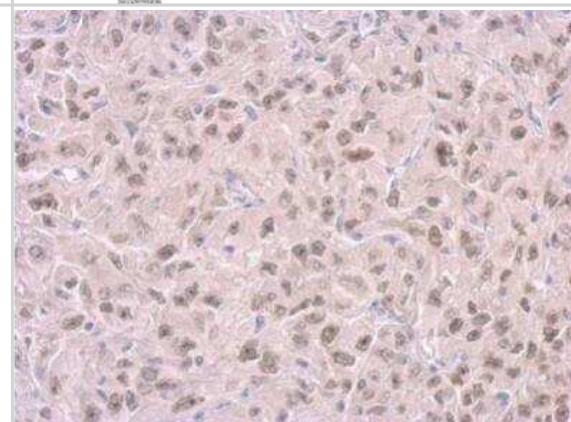
Immunohistochemistry-Paraffin: RPA14 Antibody (11.1) [NB100-159] - Human osteosarcoma section, 4% formaldehyde fixed. Incubated with the primary antibody for 10-15 hours. IHC-P image submitted by a verified customer review.



Western Blot: RPA14 Antibody (11.1) [NB100-159] - 30 ug of MCF7 whole cell lysate separated by 15% SDS-PAGE. Antibody at 1:500.



Immunohistochemistry-Paraffin: RPA14 Antibody (11.1) [NB100-159] - Mahlarvu xenograft. RPA14 antibody [11.1] dilution: 1:200. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



**Publications**

Calle A, Toribio-Serrano V, YANEZ-MO M, Ramirez M Embryonic trophectoderm secretomics reveals chemotactic migration and intercellular communication of endometrial and circulating MSCs in embryonic implantation *Int J Mol Sci* 2021-06-02 [PMID: 34073234]

Yoshihara T, Ishida M, Kinomura A et al. XRCC3 deficiency results in a defect in recombination and increased endoreduplication in human cells. *EMBO J* 2004-02-01 [PMID: 14749735] (WB, Human)

Meetei AR, Sechi S, Wallisch M et al. A multiprotein nuclear complex connects Fanconi anemia and Bloom syndrome. *Mol Cell Biol* 2003-05-01 [PMID: 12724401] (WB, Human)

Iftode, C, Daniely, Y, Borowiec, JA. Replication protein A (RPA): the eukaryotic SSB. *Crit Rev Biochem Mol Biol* 34:141-180. 1999-01-01 [PMID: 10473346]

Bochkarev, A, Bochkareva, E, Frappier, L, Edwards, AM. The crystal structure of the complex of replication protein A subunits RPA32 RPA14 reveals a mechanism for single-strand DNA binding. *EMBO J* 18:4498-4504. 1999-01-01 [PMID: 10449415]

Dong, J, Park, JS, Lee, SH. In vitro analysis of the zinc-finger motif in human replication protein A. *Biochem J* 337:311-317. 1999-01-01 [PMID: 9882630]

Sibenaller, ZA, Sorensen, BR, Wold, MS. The 32- 14-kilodalton subunits of replication protein A are responsible for species-specific interactions with single-strand DNA. *Biochemistry* 37:12496-12506. 1998-01-01 [PMID: 9730822]

Stigger, E, Drissi, R, Lee, SH. Functional analysis of human replication protein A in nucleotide excision repair. *J Biol Chem* 273:9337-9343. 1998-01-01 [PMID: 9535929]





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### **Products Related to NB100-159**

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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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