

# Product Datasheet

## RPA2 Antibody (OTI9A1) - Azide and BSA Free NBP2-73935

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-73935**

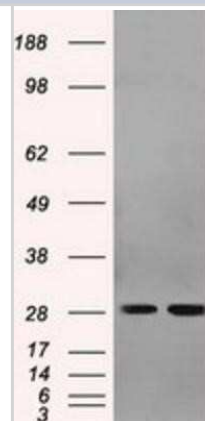
RPA2 Antibody (OTI9A1) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI9A1
Preservative	No Preservative
Reconstitution Instructions	we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process.
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	Lyophilized from PBS (pH 7.3) with 8% Trehalose
Target Molecular Weight	29.1 kDa
Product Description	
Description	Novus Biologicals Mouse RPA2 Antibody (OTI9A1) - Azide and BSA Free (NBP2-02182) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6118
Gene Symbol	RPA2
Species	Human, Mouse, Rat, Monkey, Primate
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	Full length human recombinant protein of human RPA2 (NP_002937) produced in HEK293T cell.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000-2000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation 2ug/500ul, Immunohistochemistry-Paraffin, CyTOF-ready

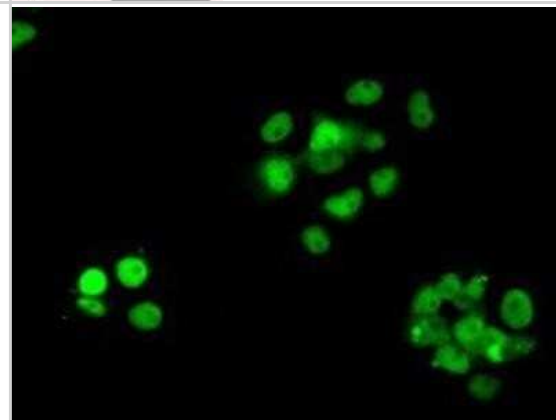


## Images

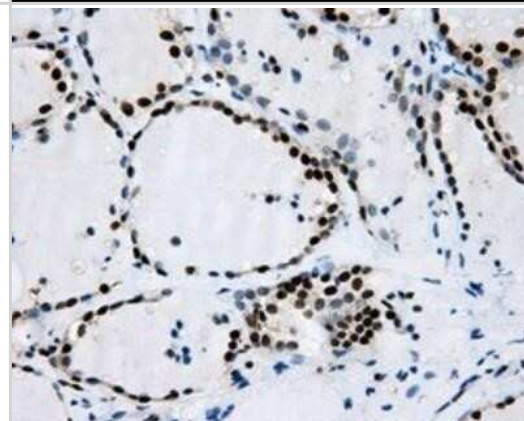
**Western Blot:** RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY RPA2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RPA2.



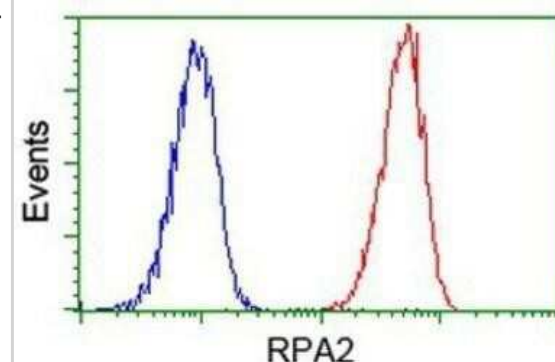
**Immunocytochemistry/Immunofluorescence:** RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY RPA2.



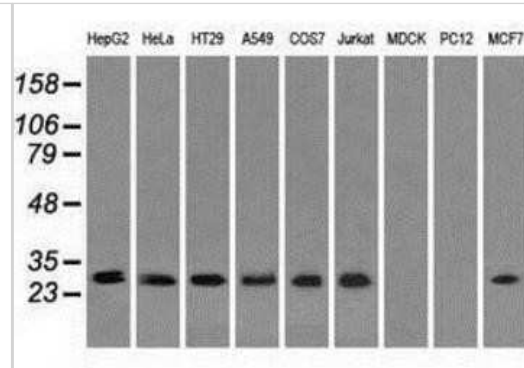
**Immunohistochemistry:** RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - Staining of paraffin-embedded Human thyroid tissue using anti-RPA2 mouse monoclonal antibody.



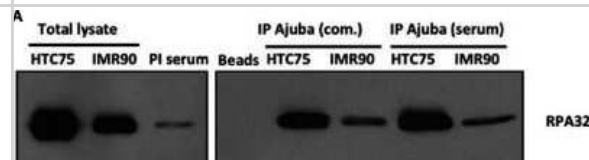
**Flow Cytometry:** RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - Analysis of Jurkat cells, using anti-RPA2 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



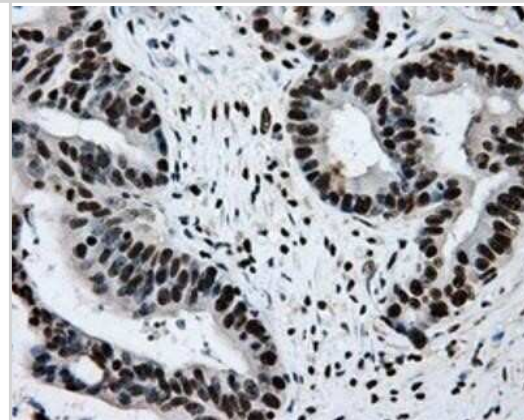
Western Blot: RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - Analysis of extracts (35ug) from 9 different cell lines by using g anti-RPA2 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Western Blot: RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - Ajuba associates with RPA in HTC75 and IMR90 cells. IP- Western probed with a total anti-RPA32 antibody after immunoprecipitation with a commercial anti-Ajuba antibody (com.) or anti-peptide serum from IMR90 or HTC75 extracts as indicated. Left panel: tota



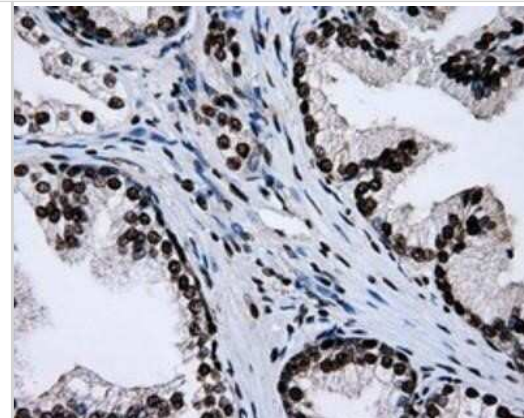
Immunohistochemistry: RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - Staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-RPA2 mouse monoclonal antibody.



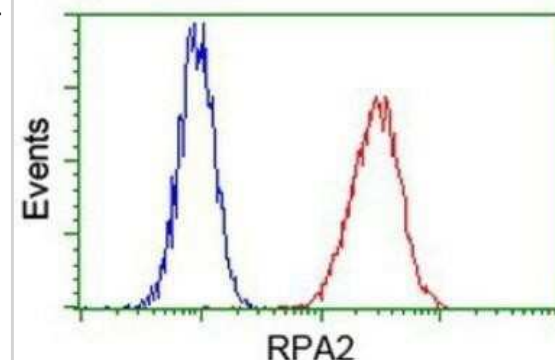
Immunohistochemistry: RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - Staining of paraffin-embedded Human colon tissue using anti-RPA2 mouse monoclonal antibody.



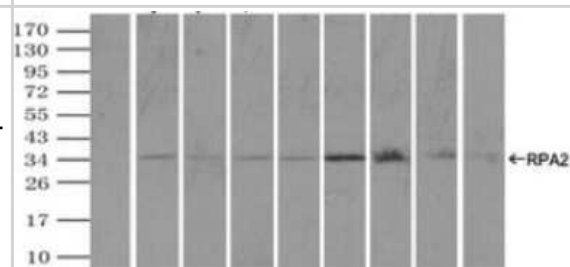
Immunohistochemistry: RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - Staining of paraffin-embedded Human prostate tissue using anti-RPA2 mouse monoclonal antibody.



Flow Cytometry: RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - Analysis of Hela cells, using anti-RPA2 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Immunoprecipitation: RPA2 Antibody (OTI9A1) - Azide and BSA Free [NBP2-73935] - (Negative control: IP without adding anti-RPA2 antibody.). For each experiment, 500ul of DDK tagged RPA2 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-RPA2 antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.







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### **Products Related to NBP2-73935**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-50878-0.05mg	Recombinant Human RPA2 His Protein

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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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