

# Product Datasheet

## non-muscle Myosin IIA Antibody NBP1-31733

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP1-31733**

non-muscle Myosin IIA Antibody

**Product Information**

<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>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol, 1% BSA
<b>Target Molecular Weight</b>	227 kDa

**Product Description**

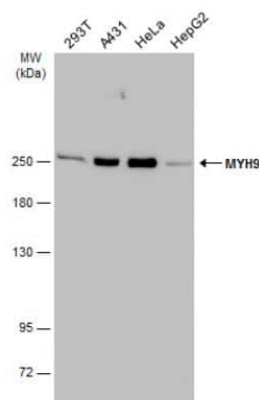
<b>Description</b>	Novus Biologicals Rabbit non-muscle Myosin IIA Antibody (NBP1-31733) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-non-muscle Myosin IIA Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	4627
<b>Gene Symbol</b>	MYH9
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Xenopus laevis (89%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the N-terminus region of human non-muscle Myosin IIA. The exact sequence is proprietary.

**Product Application Details**

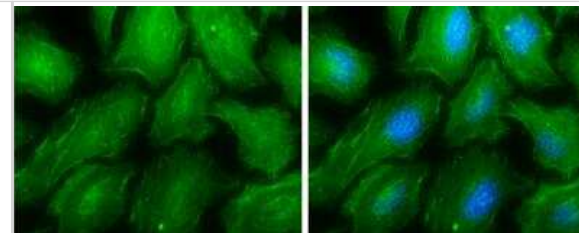
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent

**Images**

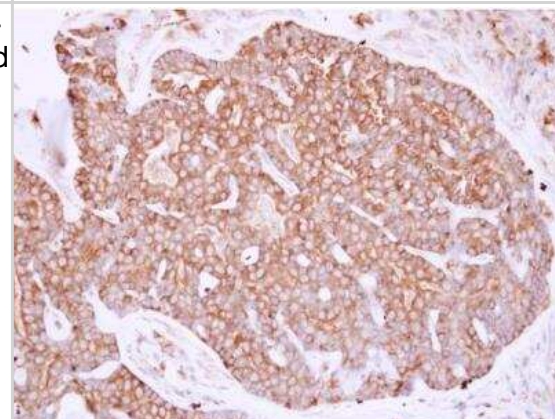
Western Blot: non-muscle Myosin IIA Antibody [NBP1-31733] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with MYH9 antibody [N1-2], N-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



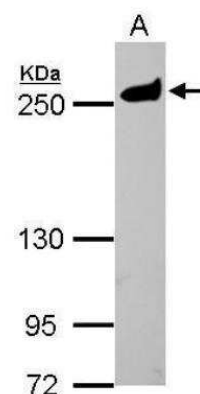
Immunocytochemistry/Immunofluorescence: non-muscle Myosin IIA Antibody [NBP1-31733] - HeLa cells were fixed in ice-cold MeOH for 5 min. Green: MYH9 stained by MYH9 antibody [N1-2], N-term diluted at 1:500. Blue: Hoechst 33342 staining.



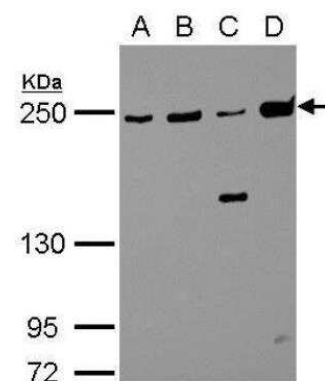
Immunohistochemistry-Paraffin: non-muscle Myosin IIA Antibody [NBP1-31733] - Human breast carcinoma. MYH9 antibody [N1-2], N-term diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



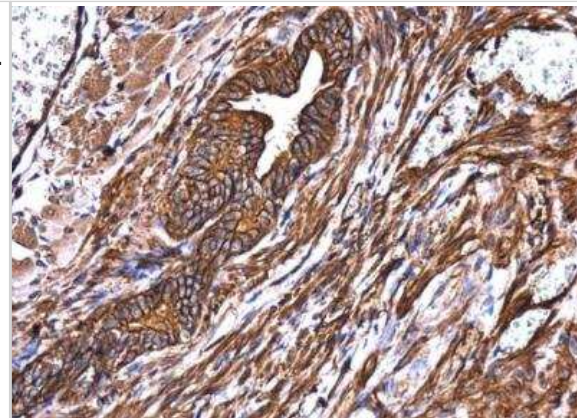
Western Blot: non-muscle Myosin IIA Antibody [NBP1-31733] - A. 30 ug Rat2 whole cell lysate/extract 5 % SDS-PAGE MYH9 antibody [N1-2], N-term dilution: 1:1000



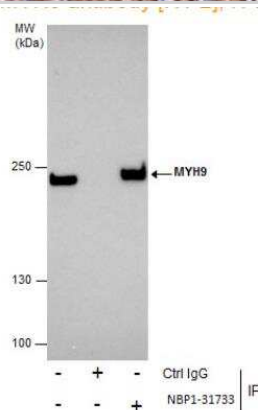
Western Blot: non-muscle Myosin IIA Antibody [NBP1-31733] - A. 30 ug NIH-3T3 whole cell lysate/extract B. 30 ug BCL-1 whole cell lysate/extract C. 30 ug Raw264.7 whole cell lysate/extract D. 30 ug C2C12 whole cell lysate/extract 5 % SDS-PAGE MYH9 antibody [N1-2], N-term dilution: 1:1000



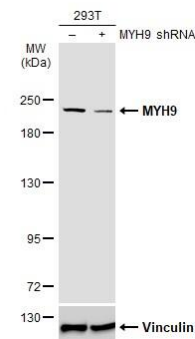
**Immunohistochemistry-Paraffin:** non-muscle Myosin IIA Antibody [NBP1-31733] - Mouse prostate. MYH9 antibody [N1-2], N-term diluted at 1:400. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



**Immunoprecipitation:** non-muscle Myosin IIA Antibody [NBP1-31733] - Immunoprecipitation of MYH9 protein from HeLa whole cell extracts using 5 ug of MYH9 antibody [N1-2], N-term. Western blot analysis was performed using MYH9 antibody [N1-2], N-term. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



**Western Blot:** non-muscle Myosin IIA Antibody [NBP1-31733] - Non-transfected (–) and transfected (+) 293T whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with MYH9 antibody [N1-2], N-term diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Yoon Y, Go G, Yun C et al. Knockdown of CK2 alpha reduces P-cresol-induced fibrosis in human renal proximal tubule epithelial cells via the downregulation of profilin-1 Int. J. Med. Sci. 2020-10-28 [PMID: 33162813] (WB, Human)



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### **Products Related to NBP1-31733**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00004627-Q02-10ug	Recombinant Human non-muscle Myosin IIA GST (N-Term) Protein

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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