

Product Datasheet

non-muscle Myosin IIA Antibody (2B3) - Azide and BSA Free H00004627-M03

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Reviews: 1 Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00004627-M03

Updated 2/21/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00004627-M03



H00004627-M03

non-muscle Myosin IIA Antibody (2B3) - Azide and BSA Free

Product Information

Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2B3
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description

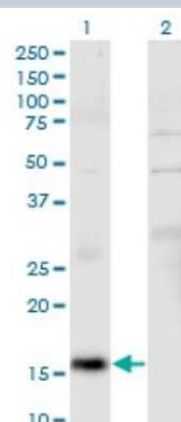
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4627
Gene Symbol	MYH9
Species	Human, Bovine
Specificity/Sensitivity	MYH9 (2B3)
Immunogen	MYH9 (NP_002464.1, 1871 a.a. ~ 1960 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. RLKQLKRQLEEAEEEEAQRANASRRKLQRELEDATETADAMNREVSSLKNKLR RGDLPFVVPRRMARKGAGDGSDEEVDGKADGAEAAPAE
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details

Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control.

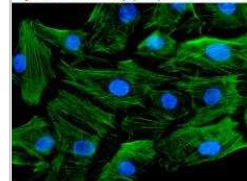
Images

Western Blot: non-muscle Myosin IIA Antibody (2B3) [H00004627-M03] - Analysis of MYH9 expression in transfected 293T cell line by MYH9 monoclonal antibody (M03), clone 2B3. Lane 1: MYH9 transfected lysate (Predicted MW: 10.01 KDa). Lane 2: Non-transfected lysate.

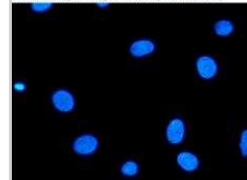


Immunocytochemistry/Immunofluorescence: non-muscle Myosin IIA Antibody (2B3) [H00004627-M03] - Bovine ovarian granulosa cells. Anti Myosin IIA immunofluorescent staining (green). DNA in counterstained with DAPI (blue). Control was obtained by omitting the primary antibody. Fixation: 4% PF for 7 minutes at rt. Permeabilization: 0.1% Triton-X in PBS for 7 minutes. Blocking: 20% donkey serum, 1% BSA in PBS, 1 hour at rt. Primary antibody: 1:50 or 1:100 in 1% BSA/PBS over night at 4C. Secondary antibody: donkey anti mouse -Alexa 488 (Invitrogen), 1:500. DNA Counterstaining: mounting medium with DAPI. Negative CTRL was performed by omitting the primary antibody, images were captured under an epifluorescence microscope. Image from verified customer review.

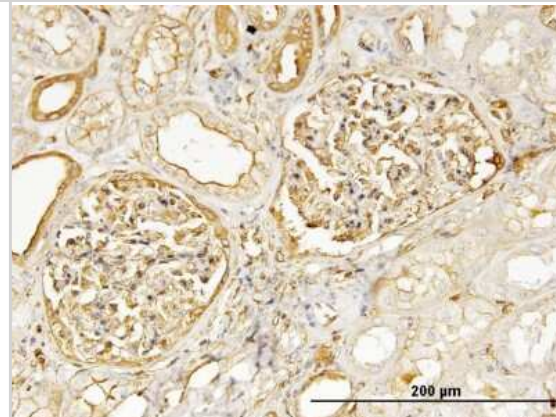
Myosin IIA Antibody (2B3) - H00004627



Control (primary antibody omission)



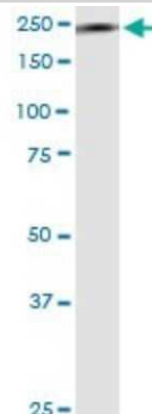
Immunohistochemistry-Paraffin: non-muscle Myosin IIA Antibody (2B3) [H00004627-M03] - Analysis of monoclonal antibody to MYH9 on formalin-fixed paraffin-embedded human kidney. Antibody concentration 0.5 ug/ml



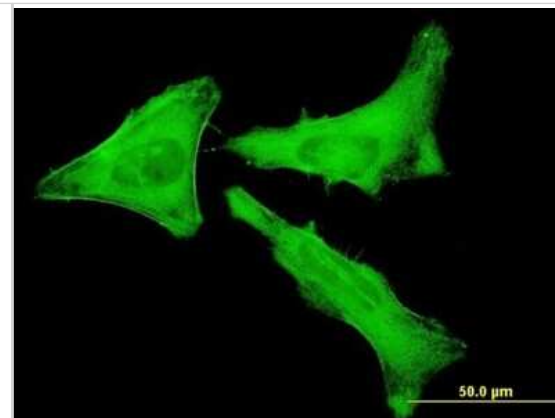
Western Blot: non-muscle Myosin IIA Antibody (2B3) [H00004627-M03] - Analysis of MYH9 expression in HeLa.



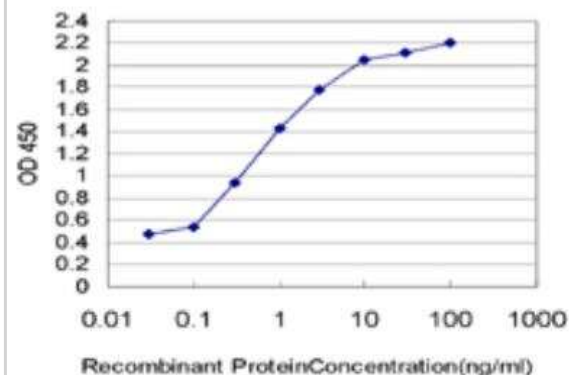
Western Blot: non-muscle Myosin IIA Antibody (2B3) [H00004627-M03] - Analysis of MYH9 expression in human kidney.



Immunocytochemistry/Immunofluorescence: non-muscle Myosin IIA Antibody (2B3) [H00004627-M03] - Analysis of monoclonal antibody to MYH9 on HeLa cell. Antibody concentration 10 ug/ml



ELISA: non-muscle Myosin IIA Antibody (2B3) [H00004627-M03] - Detection limit for recombinant GST tagged MYH9 is approximately 0.03ng/ml as a capture antibody.



Publications

Susana L, Alexander C, Afshin K et al. A myosin chaperone, UNC-45A, is a novel regulator of intestinal epithelial barrier integrity and repair. FASEB J. 2022-05-15 [PMID: 35344227]

Lodde V, Garcia Barros R, Terzaghi L et al. Insights on the Role of PGRMC1 in Mitotic and Meiotic Cell Division Cancers 2022-11-23 [PMID: 36497237] (ICC/IF, Bovine)

Details:
Dilution used 1:100



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00004627-M03

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00004627-M03

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

