

Product Datasheet

non-muscle Myosin IIA Antibody (3C7) - Azide and BSA Free H00004627-M01

Unit Size: 50 ug

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

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H00004627-M01

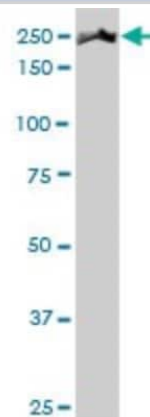
non-muscle Myosin IIA Antibody (3C7) - Azide and BSA Free

Product Information	
Unit Size	50 ug
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3C7
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	Ascites
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, Mouse
Reactivity Notes	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.
Specificity/Sensitivity	MYH9 (3C7)
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 RGDLFPVPRRMARKGAGDGSDEEVDGKADGAEAKPAE
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-Frozen, Sandwich ELISA
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen, Sandwich ELISA
Application Notes	It has been used for ELISA, WB and IF.

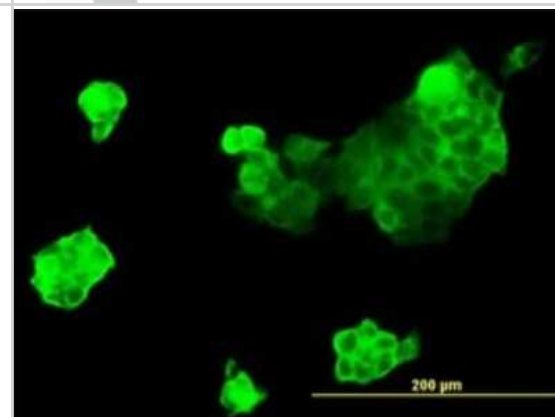


Images

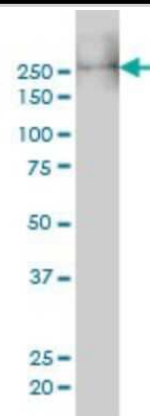
Western Blot: non-muscle Myosin IIA Antibody (3C7) [H00004627-M01] - MYH9 monoclonal antibody (M01), clone 3C7. Analysis of MYH9 expression in NIH/3T3.



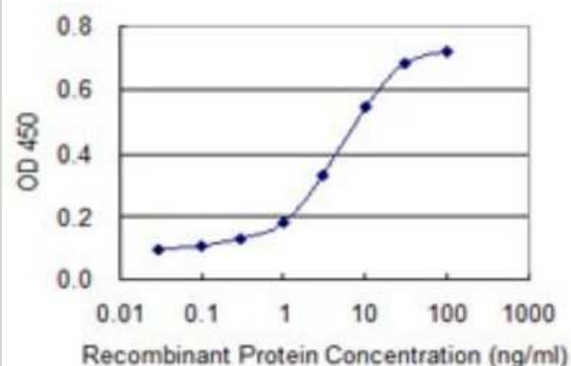
Immunocytochemistry/Immunofluorescence: non-muscle Myosin IIA Antibody (3C7) [H00004627-M01] - Analysis of monoclonal antibody to MYH9 on A-431 cell . Antibody concentration 10 ug/ml.



Western Blot: non-muscle Myosin IIA Antibody (3C7) [H00004627-M01] - MYH9 monoclonal antibody (M01), clone 3C7 Analysis of MYH9 expression in A-431.



Sandwich ELISA: non-muscle Myosin IIA Antibody (3C7) [H00004627-M01] - Detection limit for recombinant GST tagged MYH9 is 0.1 ng/ml as a capture antibody.



Publications

Liang N, Hani S, Jeffrey M et al. Synaptopodin Is Dispensable for Normal Podocyte Homeostasis but Is Protective in the Context of Acute Podocyte Injury. *J Am Soc Nephrol*. 2020-09-16 [PMID: 32938649]

Serres M, Samwer M, Truong B et al. F-Actin Interactome Reveals Vimentin as a Key Regulator of Actin Organization and Cell Mechanics in Mitosis. *Dev Cell*. 2020-01-09 [PMID: 31928973]

Liang N, Hani S, Jeffrey M et al. Synaptopodin deficiency exacerbates kidney disease in a mouse model of Alport Syndrome. *Am J Physiol Renal Physiol*. 2021-05-24 [PMID: 34029143]

Shumeng J, Farid A, Yin-Yuan H et al. An ex vivo culture model of kidney podocyte injury reveals mechanosensitive, synaptopodin-templating, sarcomere-like structures. *Sci Adv*. 2022-08-31 [PMID: 36044576]

Diaz-Horta O, Abad C, Cengiz FB et al. Ripor2 is involved in auditory hair cell stereociliary bundle structure and orientation. *J Mol Med (Berl)* 2018-10-03 [PMID: 30280293]

Suleiman HY, Roth R, Jain S et al. Injury-induced actin cytoskeleton reorganization in podocytes revealed by super-resolution microscopy. *JCI Insight* 2017-08-17 [PMID: 28814668]





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-M01

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-Q01-10ug	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.

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