

Product Datasheet

Actin Gamma 1 Antibody (NH3) - BSA Free NB100-64792

Unit Size: 0.25 mg

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

www.novusbio.com



technical@novusbio.com

Reviews: 2 Publications: 8

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-64792

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/NB100-64792



NB100-64792

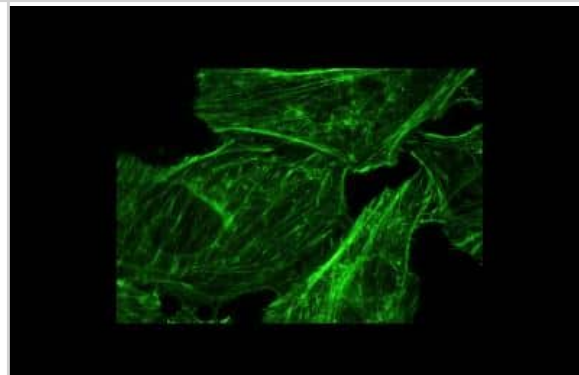
Actin Gamma 1 Antibody (NH3) - BSA Free

Product Information	
Unit Size	0.25 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	NH3
Preservative	0.09% Sodium Azide
Isotype	IgM
Purity	IgM purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	71
Gene Symbol	ACTG1
Species	Human
Reactivity Notes	Predicted cross-reactivities: Rat, Rabbit, Mouse 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	Recognizes human Filamentous actin (F-actin). The binds to the N-terminal region of actin, but not to the extreme N-terminal 40 amino acids. In tissue sections the stains the cytoplasm of macrophages strongly, and gives granular, localized nuclear staining of all cell types.
Immunogen	Human monocytes and U937 cell line
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100 - 1:500, Flow Cytometry 1:10, ELISA 1:10, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10 - 1:500
Application Notes	Actin Gamma 1 antibody validated for ICC/IF and IHC-P from verified customer reviews.

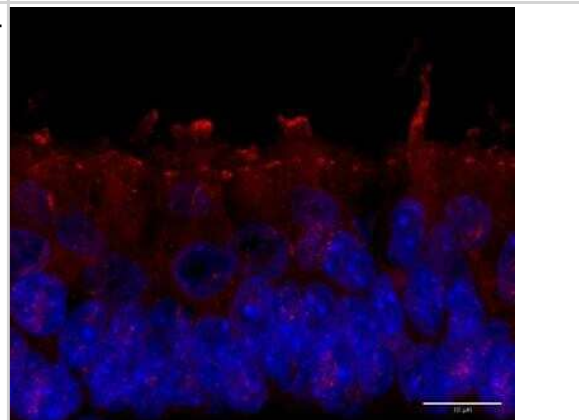


Images

Immunocytochemistry/Immunofluorescence: Actin Gamma 1 Antibody (NH3) [NB100-64792] - The distribution of stress fiber was observed by F-actin staining. Image from verified customer review.



Immunohistochemistry-Paraffin: Actin Gamma 1 Antibody (NH3) [NB100-64792] - Human inner ear tissue section stained with Actin Gamma 1 antibody at 1:100 overnight at 4C and detected with Alexa Fluor 488 Donkey anti-mouse at 1:200. Nuclei stained with DAPI. IHC-P image submitted by a verified customer review.



Publications

Chen M, Menon MC, Wang W et al. HCK induces macrophage activation to promote renal inflammation and fibrosis via suppression of autophagy Nature communications 2023-07-18 [PMID: 37463911] (ICC/IF, Mouse)

Zheng Y, Li G, Luo Y et al. The RBPMSCreERT2-TdTomato Mouse for Study Retinal and Vascular Relevant Disease Available at SSRN 4417787 2023-04-13 (IHC)

Wendt TS, Li YJ, Gonzales RJ Ozanimod, an S1PR1 ligand, attenuates hypoxia plus glucose deprivation induced autophagic flux and phenotypic switching in human brain VSM cells American journal of physiology. Cell physiology 2021-03-31 [PMID: 33788630]

Hsieh Y, Hsu W, Yang S et al. Potential Antimetastatic Effect of Timosaponin AIII against Human Osteosarcoma Cells through Regulating the Integrin/FAK/Cofilin Axis Pharmaceuticals 2021-03-14 [PMID: 33799345] (IF/IHC, Mouse)

Hall G, Lane BM, Khan K et al. The Human FSGS-Causing ANLN R431C Mutation Induces Dysregulated PI3K/AKT/mTOR/Rac1 Signaling in Podocytes. J. Am. Soc. Nephrol. 2018-08-01 [PMID: 30002222]

Liu R, Lauridsen HM, Amezcua RA et al. IL-17 Promotes Neutrophil-Mediated Immunity by Activating Microvascular Pericytes and Not Endothelium. J. Immunol. 2016-08-17 [PMID: 27534549] (ICC/IF, Human)

Goncalves NP, Martins D, Saraiva MJ. Overexpression of Protocadherin-10 in Transthyretin-Related Familial Amyloidotic Polyneuropathy. Am. J. Pathol. 2016-07-01 [PMID: 27338109]

Cheng WY, Chiao MT, Liang YJ et al. Luteolin inhibits migration of human glioblastoma U-87 MG and T98G cells through downregulation of Cdc42 expression and PI3K/AKT activity. Mol Biol Rep 2013-05-16 [PMID: 23677714] (WB, Human)



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 NB100-64792

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-62224	Mouse IgM Isotype Control (PFR-03)
H00000071-P01-10ug	Recombinant Human Actin Gamma 1 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/NB100-64792

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

