

Product Datasheet

Cofilin Antibody - BSA Free

NB100-1900

Unit Size: 0.05 ml

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

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NB100-1900

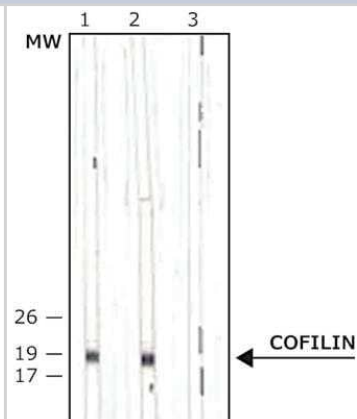
Cofilin Antibody - BSA Free

Product Information	
Unit Size	0.05 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	IgG purified
Buffer	10mM PBS (pH 7.4)
Target Molecular Weight	19 kDa
Product Description	
Description	Novus Biologicals Rabbit Cofilin Antibody - BSA Free (NB100-1900) is a polyclonal antibody validated for use in WB, ICC/IF and Simple Western. Anti-Cofilin Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1072
Gene Symbol	CFL1
Species	Human, Mouse, Rat, Porcine, Canine
Reactivity Notes	Not yet tested in other species.
Specificity/Sensitivity	Detects a band at approximately 19kDa. Reacts with muscle and non-muscle cofilin.
Immunogen	Synthetic peptide corresponding to amino acids 154-166 of human cofilin with N-terminal cysteine added, conjugated to maleimide-activated keyhole limpet hemocyanin (KLH). The corresponding immunizing sequence is identical in pig and rat non-muscle cofilin and differs by three amino acids from that of human and chicken muscle cofilin.
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Microarray
Recommended Dilutions	Western Blot 1:10000, Simple Western, Immunocytochemistry/ Immunofluorescence 1:1000, Microarray
Application Notes	This antibody can be used in Western Blot. For WB use whole extracts of human A-431 epidermoid carcinoma, rat PC-12 pheochromocytoma, mouse NIH/3T3, and dog MDCK kidney cells. IF only recommended for indirect staining. Staining of cofilin is inhibited by the immunizing peptide. Also suitable for microarray. Not tested in other applications. *Optimal dilutions should be determined by the end user. See Simple Western Antibody Database for Simple Western validation

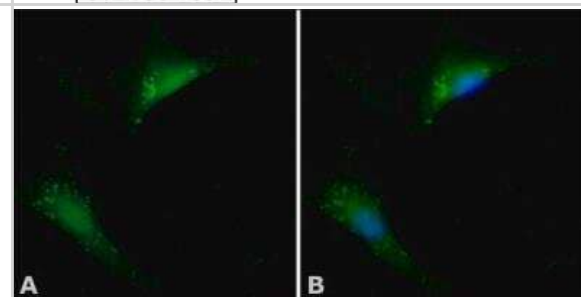


Images

Western Blot: Cofilin Antibody [NB100-1900] - Whole extract of A-431 Human epithelial carcinoma cells were separated on SDS-PAGE and probed with Anti-Cofilin antibody produced in Rabbit. The antibody was developed using 1:6000 Anti-Rabbit IgG (whole molecule)-Alkaline Phosphatase antibody produced in Goat. Lanes: 1. 1:10,000 antibody 2. 1:20,000 antibody 3. Negative Control



Immunocytochemistry/Immunofluorescence: Cofilin Antibody [NB100-1900] - NIH-3T3 Mouse fibroblasts cells were fixed and permeabilized with 4% paraformaldehyde followed by 0.2% Triton X-100. Fixed cells were stained with 1:1,000 Anti-Cofilin antibody produced in Rabbit. The antibody was developed using 1:100 Anti-Rabbit IgG (whole molecule)-FITC antibody produced in Goat. Picture B: cells were counterstained with DAPI (blue) to stain nuclei.



Publications

Tang Z, Baykal AT, Gao H et al. mTor Is a Signaling Hub in Cell Survival: A Mass-Spectrometry-Based Proteomics Investigation. J. Proteome Res. 2014-04-14 [PMID: 24694195] (WB, Human)

Sparrow N, Manetti ME, Bott M, Fabianac T, Petrilli A, Bates ML, Bunge MB, Lambert S, Fernandez-Valle C. The actin-severing protein cofilin is downstream of neuregulin signaling and is essential for schwann cell myelination. J Neurosci;32(15):5284-97. 2012-04-11 [PMID: 22496574] (WB, ICC/IF, Rat)



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Products Related to NB100-1900

NBL1-09126	Cofilin Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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