

# Cofilin Monoclonal Antibody (GT217)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	GT217
Conjugate	Unconjugated
Immunogen	Recombinant protein encompassing a sequence within the center region of human Cofilin 1. The exact sequence is proprietary.
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2735151

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Immunoprecipitation (IP)	1:100-1:500	-

## Product Specific Information

Positive Control: 293T, A431, HeLa, HepG2, PC-12, Rat-2, Neuro2A, C8D30, NIH-3T3, Raw264.7, C2C12

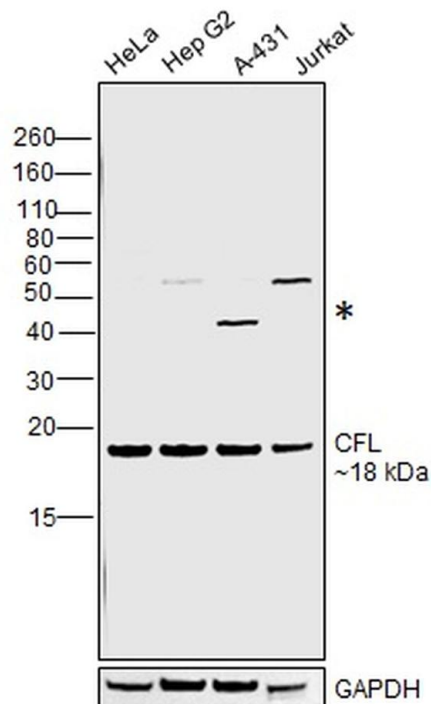
Predicted Reactivity: Pig (99%), Sheep (99%), Rhesus Monkey (99%), Bovine (99%)

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

## Product Images For Cofilin Monoclonal Antibody (GT217)

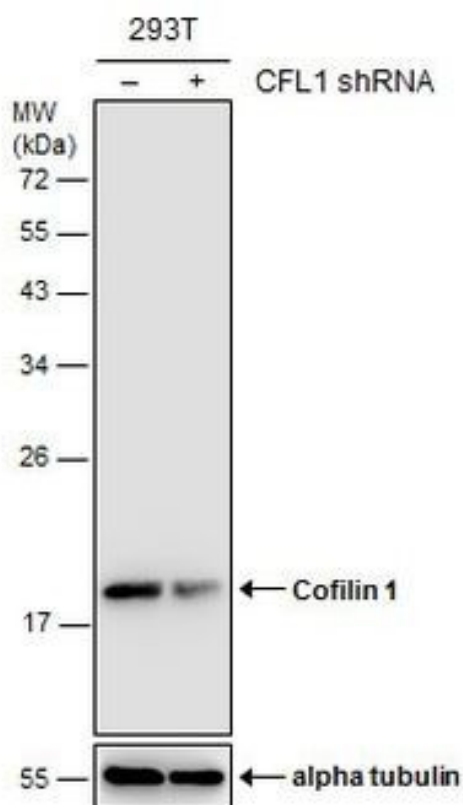
### Cofilin Antibody (MA5-27737) in WB

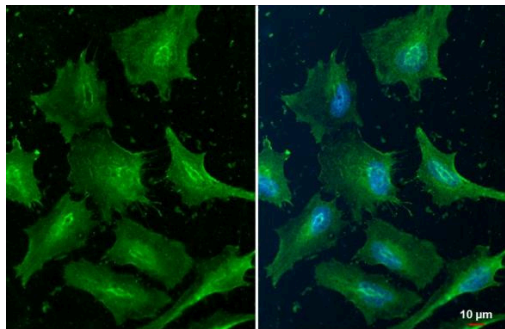
Western blot was performed using Anti-Cofilin Monoclonal Antibody (GT217) (Product # MA5-27737) and a ~18 kDa band corresponding to Cofilin, along with uncharacterized non specific bands (\*) was observed across cell lines tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), Hep G2 (Lane 2), A-431 (Lane 3) and Jurkat (Lane 4) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0341BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



### Cofilin Antibody (MA5-27737)

Antibody specificity was demonstrated by shRNA mediated knockdown of target protein. 293T cells were transfected with Cofilin shRNA and decrease in signal intensity was observed in Western blotting using Anti-Cofilin Monoclonal Antibody (GT217) (Product # MA5-27737). {KD}





### Cofilin Antibody (MA5-27737) in ICC/IF

Cofilin Monoclonal Antibody (GT217) detects Cofilin 1 protein at cell membrane by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Cofilin 1 stained by Cofilin Monoclonal Antibody (GT217) (Product # MA5-27737) diluted at 1:500. Blue: Fluoroshield with DAPI .

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