

beta Actin Loading Control Monoclonal Antibody (BA3R), DyLight™ 488

Product Details	
Size	50 µL
Species Reactivity	Chicken, Human, Mouse, Rabbit, Rat
Published Species	Rabbit, Rat, Plant, Human, Mouse, Guinea pig
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	BA3R
Conjugate	DyLight™ 488
Immunogen	Beta-actin N-terminal peptide.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage conditions	4° C
RRID	AB_2537662

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	83 Publications
Immunocytochemistry (ICC/IF)	1:20 - 1:100	-

Product Specific Information

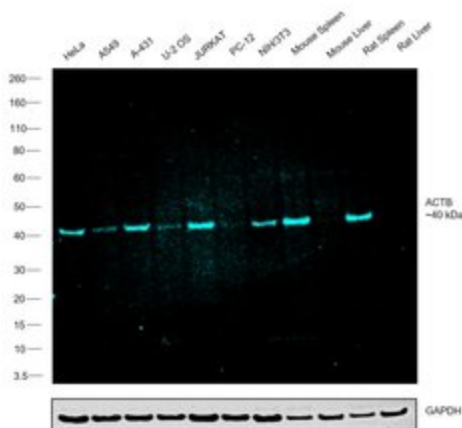
MA5-15739-D488 detects beta actin from human, mouse, rat, rabbit, and chicken samples.

MA5-15739-D488 has been successfully used in immunofluorescence. DyLight 488 has an excitation/emission of 493/518 nm.

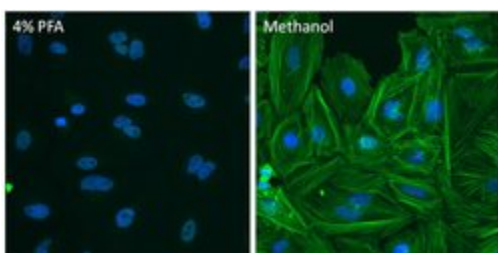
For visualization of actin filaments by immunofluorescence, fixation and permeabilization with methanol is required.

beta Actin Loading Control Antibody (MA5-15739-D488)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues tested owing to their inherent genetic constitution. Relative expression of Actin, cytoplasmic 1 was observed in Mouse Spleen and Rat Spleen in comparison to Mouse Liver and Rat Liver using Anti-beta Actin Loading Control Monoclonal Antibody (BA3R), DyLight 488 (Product # MA5-15739-D488) in Western Blot. doi:10.1038/bcj.2014.18 Relative expression validation info.



Product Images For beta Actin Loading Control Monoclonal Antibody (BA3R), DyLight™ 488

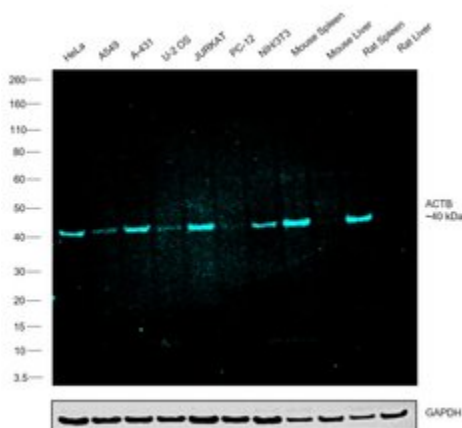


beta Actin Loading Control Antibody (MA5-15739-D488) in ICC/IF

Immunofluorescent analysis of beta-actin (green) in HeLa cells. Cells were fixed with either 4% paraformaldehyde (PFA) for 15 minutes at room temperature followed by permeabilization with 0.5% Triton X-100 in PBS for 15 minutes at room temperature (left panel) or fixed and permeabilized with ice-cold methanol for 10 minutes at room temperature (right panel). Cells were blocked with 0.3% BSA in PBS for 15 minutes, and probed with a DyLight 488-conjugated beta-actin monoclonal antibody (Product # MA5-15739-D488) at a dilution of 1:20 overnight at 4C. Nuclei (blue) were stained with DAPI (Product # 62247). Images were taken on a ToxInsight Instrument at 20X magnification.

beta Actin Loading Control Antibody (MA5-15739-D488) in WB

Western Blot was performed using Anti-beta Actin Loading Control Monoclonal Antibody (BA3R), DyLight 488 (Product # MA5-15739-D488) and a ~40 kDa band corresponding to Actin, cytoplasmic 1 was observed across cell lines and tissues tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), A549 (Lane 2), A-431 (Lane 3), U-2 OS (Lane 4), Jurkat (Lane 5), PC-12 (Lane 6), NIH/3T3 (Lane 7), Mouse Spleen (Lane 8), Mouse Liver (Lane 9), Rat Spleen (Lane 10), Rat Liver (Lane 11) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2001) by iBlot® 2 Dry Blotting System (Product # IB21001). The Blot was probed with the primary antibody (1:1000 dilution) and detected by fluorescence using the iBright FL 1000 (Product # A32752). Fluorescent detection was performed. doi:10.1038/bcj.2014.18



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Western Blot (83)

Journal of neuroinflammation

CLEC14A deficiency exacerbates neuronal loss by increasing blood-brain barrier permeability and inflammation.

"Published figure using beta Actin Loading Control monoclonal antibody (Product # MA5-15739-D488) in Western Blot"

Authors: Kim Y, Lee S, Zhang H, Lee S, Kim H, Kim Y, Won MH, Kim YM, Kwon YG

Species
Not Applicable

Dilution
Not Cited

Year
2020

Cell death & disease

Estradiol signaling mediates gender difference in visceral adiposity via autophagy.

"Published figure using beta Actin Loading Control monoclonal antibody (Product # MA5-15739-D488) in Western Blot"

Authors: Tao Z, Zheng LD, Smith C, Luo J, Robinson A, Almeida FA, Wang Z, Olumi AF, Liu D, Cheng Z

Species
Not Applicable

Dilution
Not Cited

Year
2018

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More applications with references on thermofisher.com

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