

Product Datasheet

Beta-Actin Antibody (orb1939420)

Description	Mouse Monoclonal Antibody (Mab)
Species/Host	Mouse
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	FC, IF, IHC-P, WB
Target	This ACTB Monoclonal antibody is generated from mouse immunized with ACTB recombinant protein.
Form/Appearance	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
Isotype	IgG1,Igk
Clonality	Monoclonal
Clone Number	137CT26.1.1
Antibody Type	Primary Antibody
MW	41737 Da
Uniprot ID	P60709
NCBI	NP_001092.1

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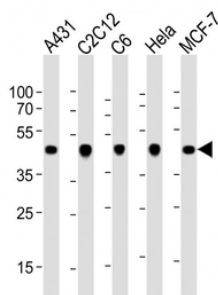
68 TW Alexander Drive,
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Dilution Range

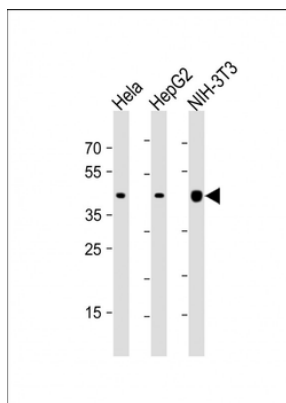
WB: 1:2000, IF: 1:10~50, WB: 1:1000, WB: 1:1000, WB: 1:1000, IHC-P: 1:25, IHC-P: 1:10~50

Expiration Date

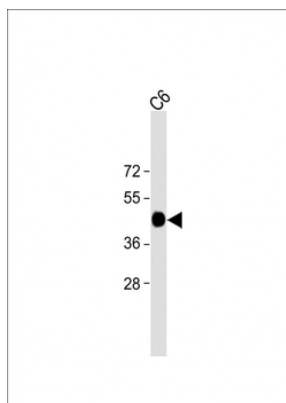
12 months from date of receipt.



All lanes: Anti-ACTB Antibody at 1:1000 dilution. Lane 1: A431 whole cell lysate. Lane 2: C2C12 whole cell lysate. Lane 3: C6 whole cell lysate. Lane 4: HeLa whole cell lysate. Lane 5: MCF-7 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 42 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes: Anti-ACTB Antibody at 1:1000 dilution. Lane 1: HeLa whole cell lysate. Lane 2: HepG2 whole cell lysate. Lane 3: NIH-3T3 whole cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 42 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



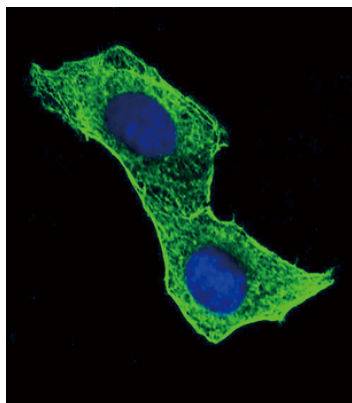
All lanes: Anti-ACTB Antibody at 1:2000 dilution + C6 cell lysate. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 41 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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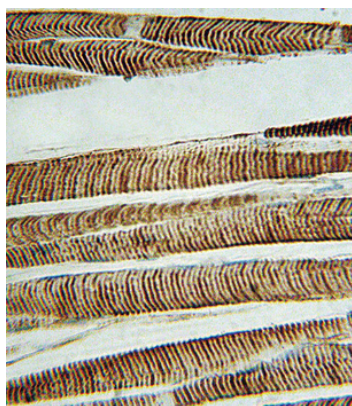
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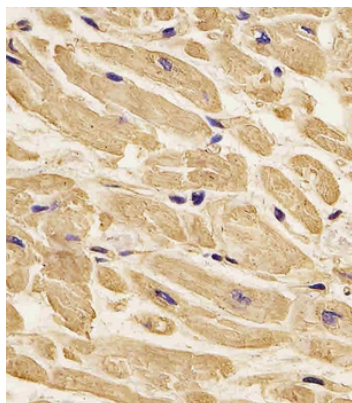
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Confocal immunofluorescent analysis of ACTB Antibody with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



Immunohistochemical analysis of paraffin-embedded H.skeletal muscle section using Beta-Actin Antibody. diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



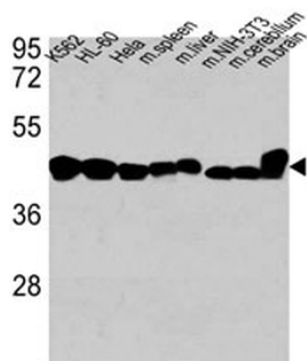
Staining ACTB in human heart tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary Antibody.

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Western blot analysis of anti-ACTB Antibody in K562, HL-60, Hela cell line, mouse spleen, mouse liver tissue lysates, mouse NIH-3T3 cell line lysate and mouse cerebellum, mouse brain tissue lysates (35 µg/lane). ACTB (arrow) was detected using the purified Mab.

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