

Product Datasheet

F-Actin Rabbit Polyclonal Antibody (orb10068)

Catalog Number	orb10068
Category	Antibodies
Description	F-Actin Rabbit Polyclonal Antibody
Target	ACTB
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine, Porcine, Sheep
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	Synthetic MAP peptide derived from human beta-Actin (1-50/374aa)
UniProt ID	P60709
RRID	AB_10748047
MW	42 kDa

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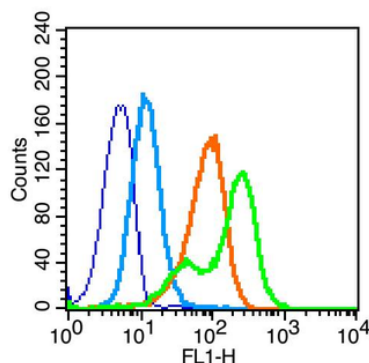
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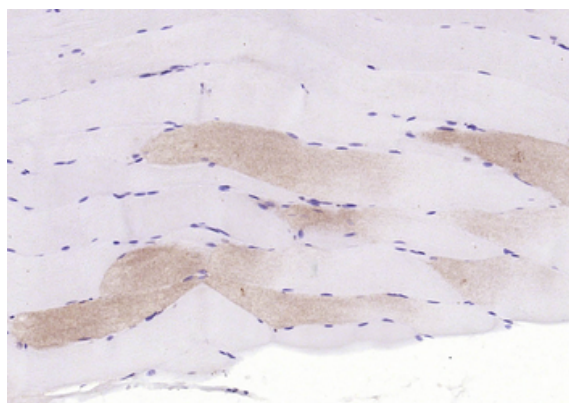
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Tested applications	FC, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:1000-5000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=3µg /test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control (blue line): HeLa (blue). Primary Antibody (green line): Rabbit Anti-F-Actin antibody (orb10068), Dilution: 3 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1 µg/test. Protocol, The cells were fixed with 80% methanol (5 min at -20°C) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2% BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Paraformaldehyde-fixed, paraffin embedded (rat skeletal muscle), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (F-Actin) Polyclonal Antibody, Unconjugated (orb10068) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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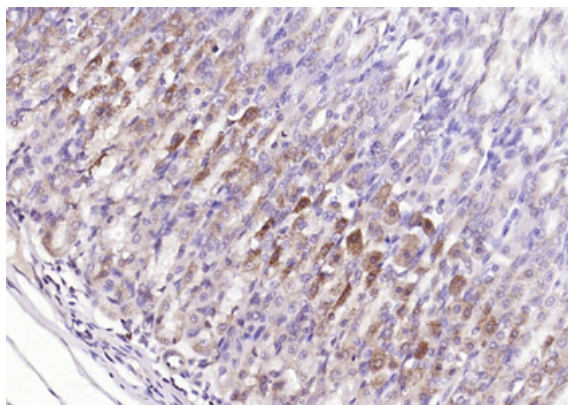
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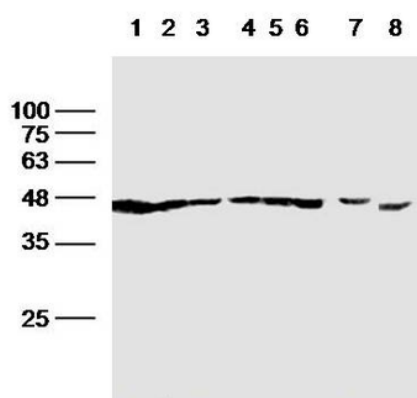
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Paraformaldehyde-fixed, paraffin embedded (rat stomach), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (F-Actin) Polyclonal Antibody, Unconjugated (orb10068) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Sample: Lane 1: HeLa (Human) Whole Cell Lysate at 30 ug, Lane 2: Jurkat (Human) Whole Cell Lysate at 30 ug, Lane 3: 293T (Human) Whole Cell Lysate at 30 ug, Lane 4: Hepg2 (Human) Whole Cell Lysate at 30 ug, Lane 5: A431 (Human) Whole Cell Lysate at 30 ug, Lane 6: A549 (Human) Whole Cell Lysate at 30 ug, Lane 7: H9C2 (Rat) Whole Cell Lysate at 30 ug, Lane 8: Testis (Mouse) Tissue Lysate at 30 ug, Primary: Anti-F-Actin (orb10068) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 42 kD, Observed band size: 42 kD.

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