

## Anti-Myosin 1 Antibody

Catalog #	Source	Reactivity	Applications
CQA2088	Rabbit	H, M, R	WB, IH, IF/IC
<b>Description</b>	Rabbit polyclonal antibody to Myosin 1		
<b>Immunogen</b>	Recombinant full length protein of human Myosin 1		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of Myosin 1 protein.		
<b>Clonality</b>	Polyclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/500 - 1/2000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200)		
<b>Gene Symbol</b>	MYH1		
<b>Alternative Names</b>	Myosin-1; Myosin heavy chain 1; Myosin heavy chain 2x; MyHC-2x; Myosin heavy chain IIx/d; MyHC-IIx/d; Myosin heavy chain, skeletal muscle, adult 1		
<b>Entrez Gene</b>	4619 (Human); 17879 (Mouse)		
<b>SwissProt</b>	P12882 (Human); Q5SX40 (Mouse)		
<b>Storage/Stability</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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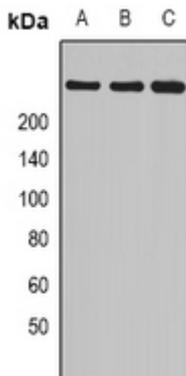
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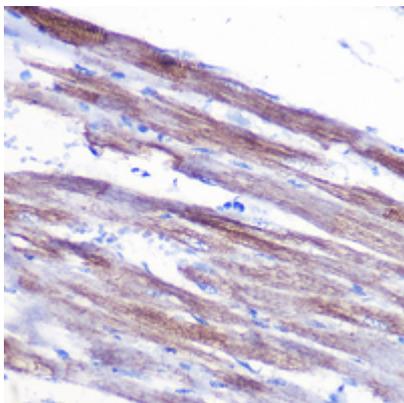
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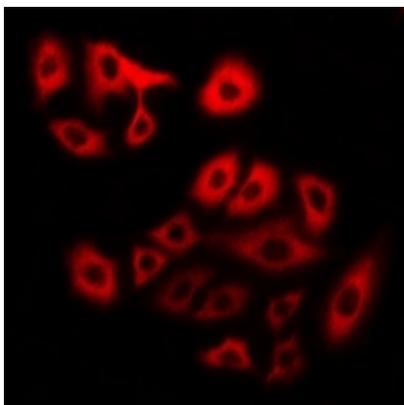
## Product Data Sheet



Western blot analysis of Myosin 1 expression in mouse heart (A), rat skeletal muscle (B), rat heart (C) whole cell lysates. (Predicted band size: 223 kD; Observed band size: 250 kD)



Immunohistochemical analysis of Myosin 1 staining in rat heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Myosin 1 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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