

## Catalog #: 50136

### Aliases

ACTN2; Alpha-actinin-2; Alpha-actinin skeletal muscle isoform 2; F-actin cross-linking protein;  
ACTN3; Alpha-actinin-3; Alpha-actinin skeletal muscle isoform 3; F-actin cross-linking protein

### Background

Gene Name: ACTN2/ACTN3

NCBI Gene Entry: [88/89](#)

UniProt Entry: [P35609/Q08043](#)

### Application Information

Molecular Weight: Predicted, 103 kDa; observed, 103 kDa

Clonality: Rabbit polyclonal antibody

Species Reactivity: Human, mouse, rat, bovine, chicken

Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

### Immunogen

A synthesized peptide derived from human ACTN2

### Isotype

Rabbit IgG

### Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

### Storage

Store at -20 °C for one year.

### Recommended Dilutions

Western Blotting (WB): 1:500-1:1,000

Immunohistochemistry (IHC): 1:50-1:100

Immunocytochemistry (IC): 1:50-1:200

**Note:** This product is for research use only.

### Validation Data

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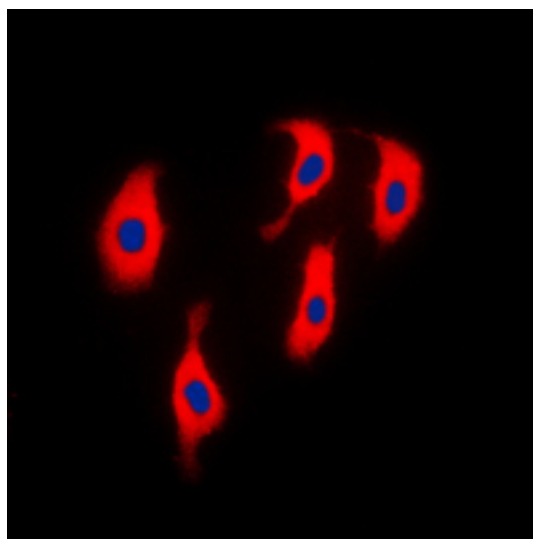
#### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
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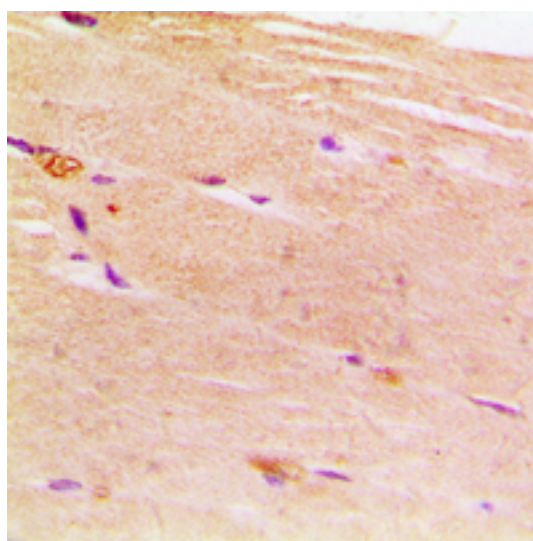
#### ORDERS

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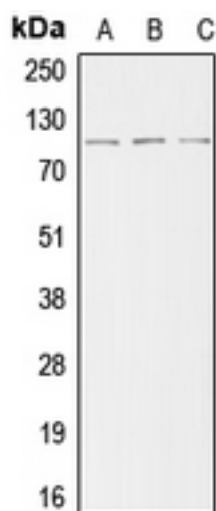
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Immunocytochemical analysis of ACTN2 staining in H9C2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody 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. DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of ACTN2 staining in human muscle 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.



Western blotting analysis of ACTN2 expression in HeLa (A), mouse kidney (B), H9C2 (C) whole cell lysates.