

ACTC1

Reactivity:Human Mouse

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:1000 IHC 1:10 - 1:50 IF 1:10 - 1:50

Calculated MW:42kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human ACTC1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

b

Synonym:

ACTC; ASD5; CMD1R; CMH11; LVNC4

Catalog #:A6507

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:70

Isotype:IgG

Swiss Prot:P68032

Purity:Affinity purification

For research use only.

Background:

Actins are highly conserved proteins that are involved in various types of cell motility.

Polymerization of globular actin (G-actin) leads to a structural filament (F-actin) in the form of a two-stranded helix. Each actin can bind to four others. The protein encoded by this gene belongs to the actin family which is comprised of three main groups of actin isoforms, alpha, beta, and gamma. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. Defects in this gene have been associated with idiopathic dilated cardiomyopathy (IDC) and familial hypertrophic cardiomyopathy (FHC).

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