

Actin-α/γ (phospho Tyr55/53) rabbit pAb

Cat No.: ES7360

For research use only

Overview

Product Name Actin- α/γ (phospho Tyr55/53) rabbit pAb

Host species Rabbit IHC;IF;ELISA **Applications**

Species Cross-Reactivity Human; Mouse; Rat

Recommended dilutions Immunohistochemistry: 1/100 - 1/300. ELISA:

1/5000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

> peptide derived from human Actin-pan around the phosphorylation site of Tyr55/53. AA range:21-70

Specificity Phospho-Actin-α/y (Y55/53) Polyclonal Antibody

detects endogenous levels of Actin- α/γ protein only

when phosphorylated at Y55/53.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Store at -20°C. Avoid repeated freeze-thaw cycles. Storage

Protein Name Actin alpha cardiac muscle 1

Gene Name ACTC1

Cellular localization Cytoplasm, cytoskeleton.

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

Observed band

Human Gene ID 70/71/72/58

Human Swiss-Prot Number P68032/P63261/P63267/P68133

Alternative Names ACTC1; ACTC; Actin; alpha cardiac muscle 1;

> Alpha-cardiac actin; ACTG1; ACTB; ACTG; Actin, cytoplasmic 2; Gamma-actin; ACTG2; ACTA3; ACTL3;

> > www.elkbiotech.com

ACTSG; Actin, gamma-enteric smooth muscle; Alpha-actin-3; Gamma-2-actin; Smooth muscle

gamma-actin;

Background Actins are highly conserved proteins that are



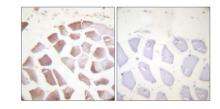
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involved in various types of cell motility.

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 (FHC). [provided by RefSeq, Jul 2008],

Immunohistochemistry analysis of paraffin-embedded human skeletal muscle, using Actin-pan (alpha/gamma) (Phospho-Tyr55/53) Antibody. The picture on the right is blocked with the phospho peptide.



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