

Actin- $\alpha/\gamma$  (phospho Tyr55/53) Polyclonal Antibody

Catalog No: #14110



Package Size: #14110-1 50ul #14110-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Actin- $\alpha/\gamma$ (phospho Tyr55/53) Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-Actin- $\alpha/\gamma$ (Y55/53) Polyclonal Antibody detects endogenous levels of Actin- $\alpha/\gamma$ protein only when phosphorylated at Y55/53.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human Actin-pan around the phosphorylation site of Tyr55/53. AA range:21-70
Other Names	ACTC1; ACTC; Actin; alpha cardiac muscle 1; Alpha-cardiac actin; ACTG1; ACTB; ACTG; Actin, cytoplasmic 2; Gamma-actin; ACTG2; ACTA3; ACTL3; ACTSG; Actin, gamma-enteric smooth muscle; Alpha-actin-3; Gamma-2-actin; Smooth muscle gamma-actin;
Accession No.	Swiss Prot:P68032/P63261/P63267/P68133GeneID:70/71/72/58
Uniprot	P68032/P63261/P63267/P68133
GeneID	70/71/72/58
Calculated MW	42/42/42/42kd
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

## Application Details

Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

## Background

actin, alpha, cardiac muscle 1(ACTC1) Homo sapiens 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). [provided by RefSeq, Jul 2008],

Note: This product is for in vitro research use only