

Phospho-Actin- Alpha/Gamma (Y55/53) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-PHS00977
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Actin-pan around the phosphorylation site of Tyr55/53. AA range:21-70
Mol wt	41737/41793
Species reactivity	Human, mouse, rat
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	Phospho-Actin-alpha/gamma (Y55/53) Antibody
Synonyms	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; G

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 ACTC1 (actin, alpha, cardiac muscle 1) 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 ACTC1 have been associated with idiopathic dilated cardiomyopathy (IDC) and familial hypertrophic cardiomyopathy (FHC).

Recommended Dilution

IHC: 1: 100 - 1: 300

ELISA: 1: 5000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year