

Product datasheet for **AP17084PU-N**

gamma Actin (ACTG1) Rabbit Polyclonal Antibody

Product data:

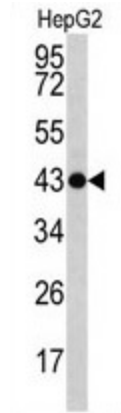
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:1,000. Western blot: 1:50 - 1:100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide selected from the Center region of human ACTG1
Specificity:	This antibody detects Actin gamma / ACTG at Center.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	actin gamma 1
Database Link:	Entrez Gene 71 Human P63261
Background:	Actins are highly conserved proteins that are involved in various types of cell motility, and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 1, is a cytoplasmic actin found in nonmuscle cells.
Synonyms:	ACT; ACTB; ACTG; DFNA20; DFNA26; Gamma-actin
Note:	Molecular weight: 41793 Da



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Protein Pathways:

Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Leukocyte transendothelial migration, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton, Tight junction, Vibrio cholerae infection, Viral myocarditis

Product images:

Western blot analysis of ACTG1 antibody (Center) in HepG2 cell line lysates (35 ug/lane). ACTG1 (arrow) was detected using the purified Pab.