

DNAXPAb

Hard-to-Find
Antibody

ACTC1 DNAXPab

Catalog # H00000070-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ACTC1 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MCDDEETTALVCDNGSGLVKAGFAGDDAPRAVFPSVGRPRHQGVMVGMGQKDSYVGDEAQS KRGILTLKYPIEHGIITNWDDMEKMWHTFYNELRVAPEEHPTLLTEAPLNPKANREKMTQIMFETFN VPAMYVAIQAVLSLYASGRRTTGIVLDSGDGVTHNVPIYEGYALPHAIMRLDLAGRDLTDYLMKILTER GYSFVTTAEREIVRDIKEKLCYVALDFENEMATAASSSSLEKSYELPDGQVITIGNERFRCPETLFQ PSFIGMESAGIHETTYNSIMKCDIDIRKDLYANNVLSGGTTMYPGIADRMQKEITALAPSTMKIKIAPP ERKYSVWIGGSILASLSTFQQMWISKQEYDEAGPSVHRKCF
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ACTC1

Entrez GeneID [70](#)

GeneBank Accession# [BC009978.2](#)

Protein Accession# [AAH09978.1](#)

Gene Name ACTC1

Gene Alias ACTC, CMD1R, CMH11

Gene Description actin, alpha, cardiac muscle 1

Omim ID [102540 192600](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations cardiac muscle alpha actin 1

Pathway

- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Cardiomegaly](#)
- [Cardiomyopathies](#)

- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Myopia](#)