

DNAxPAb

Hard-to-Find
Antibody

ACTN1 DNAxPab

Catalog # H00000087-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human ACTN1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MDHYDSQQTNDYMQPEEDWDRDLLLPAWEKQQRKTFTAWCNSHLRKAGTQIENIEEDFRDGL
 KLMLLLEVISGERLAKPERGKMRVHKISNVNKALDFIASKGVKLVSIGAEIVDGNVKMTLGMWITIL
 RFAIQDISVEETSAKEGLLLWCQRKTAPYKNVNIQNFHISWKDGLGFCALIHRRPELIDYGKLRKD
 DPLTNLNTAFDVAEKYLDIPKMLDAEDVGTARPDEKAIMTYVSSFYHAFSGAQKAETAANRICKVL
 AVNQENEQLMEDYEKLASDLLEWIRRTIPWLENRVPENTMHAMQQKLEDFRDYRRLHKPPKVQE
 KCQLEINFNTLQTKLRLSNRPAFMPSEGRMVSDINNAWGCLEQVEKGYEEWLLNEIRRLERLDHL
 AEKFRQKASIHEAWTDGKEAMLRQKDYETATLSEIKALLKKHEAFESDLAAHQDRVEQIAAIAQEL
 NELDYDPSVSNARCQKICDQWDNLGALTQKRREALERTEKLETDQLYLEYAKRAAPFNNWME
 GAMEDLQDTFVHTIEEIQGLTTAHEQFKATLPDADKERLAILGIHNEVSKIVQTYHVNMAGTNPYTTI
 TPQINGKWDHVRQLVPRRDQALTEEHRQQHNERLRKQFGAQANVIGPWQTKMEEIGRISIEMH
 GTLEDQLSHLRQYEKSVNYKPKIDQLEGDHQLIQEALIFDNKHTNYTMEHIRVGWEQLLTTIARTINE
 VENQILTRDAKGISQEQMNEFRASFNFHFRDHSGLGPEEFKACLSLGYDIGNDPQGEAEFARIM
 SIVDPNRLGVVTFQAFIDFMSRETADTDADQVMASFKILAGDKNYTMDLRELPPDQAEYCIAR
 MAPYTGPDSPVGALDYMSFSTALYGESDL

Host Rabbit

Reactivity Human

Interspecies Antigen Sequence Mouse (99); Rat (99)

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 — ACTN1

Entrez GeneID [87](#)

GeneBank Accession# [NM_001102.2](#)

Protein Accession# [NP_001093.1](#)

Gene Name ACTN1

Gene Alias FLJ40884

Gene Description actinin, alpha 1

Omim ID [102575](#)

Gene Ontology [Hyperlink](#)

Gene Summary Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a nonmuscle, cytoskeletal, alpha actinin isoform and maps to the same site as the structurally similar erythroid beta spectrin gene. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations F-actin cross-linking protein|actinin 1 smooth muscle|alpha-actinin 1

Pathway

- [Adherens junction](#)
- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)
- [Systemic lupus erythematosus](#)
- [Tight junction](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)