

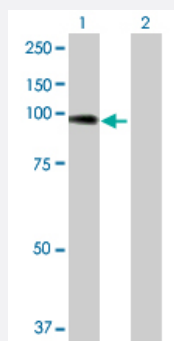
MaxPab®

ACTN4 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000081-D01P

Size 100 ug

Applications

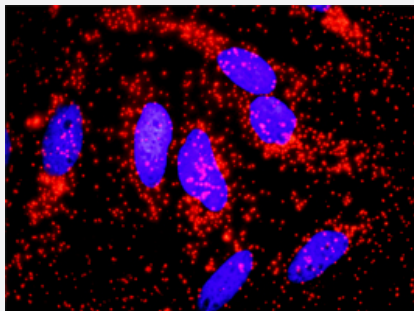


Western Blot (Transfected lysate)

Western Blot analysis of ACTN4 expression in transfected 293T cell line ([H00000081-T01](#)) by ACTN4 MaxPab polyclonal antibody.

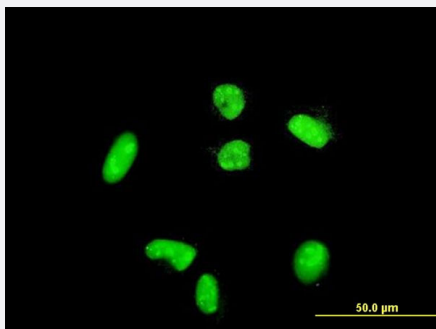
Lane 1: ACTN4 transfected lysate (104.90 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between ACTN4 and CTNNB1. HeLa cells were stained with anti-ACTN4 rabbit purified polyclonal 1:1200 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Immunofluorescence

Immunofluorescence of purified MaxPab rabbit antibody to ACTN4 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ACTN4 protein.

Immunogen	ACTN4 (NP_004915.2, 1 a.a. ~ 911 a.a) full-length human protein.
Sequence	MVDYHAANQSYQYGPSSAGNGAGGGGSMGDYMAQEDDWRDLLLLDPAWEKQQRKTFTAWCN SHLRKAGTQIENIDEDFRDGLKMLLLEVISGERLPKPERGKMRVHKINNVNKALDFIASKGVKLVS GAEIVDGNAMTLGMIWTILRFAIQDISVEETSAKEGLLLWCQRKTAPYKNVNVQNFHISWKDGL AFNALIHRHRPELIEYDKLRKDDPVTNLNNAFEVAEKYLDIPKMLDAEDIVNTARPDEKAIMTYVSSF YHAFSGAQKAETAANRICKVLAVNQENEHLMEDYEKLASDLLEWIRRTIPWLED RVPQKTIQEMQ QKLEDFRDYRRVHKPPKVQEKQLEINFNTLQTKLRLSNRPAFMPSEGKMVSDINNGWQHLEQA EKGYYEWWLLNEIRRLERLDHLAEKFRQKASIHEAWTDGKEAMLKHRDYETATLSDIKALIRKHEAF ESDLAAHQDRVEQIAAIAQELNELDYDSHNVNTRCQKICDQWDALGSLTHSRREALEKTEKQLE AIDQLHLEYAKRAAPFNNWMESAMEDLQDMFVHTIEEIEGLISAHDQFKSTLPDADREREAILAIHK EAQRIAESNHIKLSGSPYTTVTPQIINSKWEKVQQLVPRDHALLEEQSKQQSNEHLRRQFASQA NVVGPWIQTKMEEIGRISIEMNGTLEDQLSHLKQYERSVDYKPNLDLLEQQHQLIQEALIFDNKHTN YTMEHIRVGWEQLLTTIARTINEVENQILTRDAKGISQEQMQEFRAFNFHFDKDHGGALGPEEFKA CLISLGYDVENDRQGEAEFNRMISLVDPNHSLVTFQAFIDFMSRETDTDTADQVIASFVLAGD KNFITAEELRRELPPDQAEYCIARMAPYQGPDAVPGALDYKSFSTALYGESDL
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (98)
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)

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[Protocol Download](#)

- In situ* Proximity Ligation Assay (Cell)

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- Immunofluorescence

Immunofluorescence of purified MaxPab rabbit antibody to ACTN4 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — ACTN4

Entrez GeneID	81
GeneBank Accession#	NM_004924.3
Protein Accession#	NP_004915.2
Gene Name	ACTN4
Gene Alias	ACTININ-4, DKFZp686K23158, FSGS, FSGS1
Gene Description	actinin, alpha 4
Omim ID	603278 604638
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, alpha actinin isoform which is concentrated in the cytoplasm, and is thought to be involved in metastatic processes. Mutations in this gene have been associated with focal and segmental glomerulosclerosis. [provided by RefSeq]
Other Designations	actinin alpha4 isoform

Pathway

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

Disease

- [Alport syndrome](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulosclerosis](#)
- [Kidney Diseases](#)
- [Proteinuria](#)