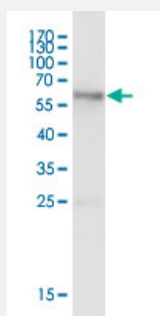


# ACTN4 purified rabbit polyclonal antibody

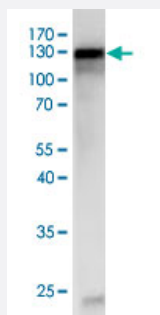
Catalog # H00000081-E01P

Size 100 ug

## Applications



Western Blot detection against recombinant protein (58.41 KDa).



Western Blot detection against recombinant protein (131.3 KDa).

## Specification

**Product Description** Rabbit polyclonal antibody raised against ACTN4 protein.

**Host** Rabbit

**Reactivity** Human

**Interspecies Antigen Sequence** Mouse (98); Rat (98)

**Quality Control Testing** Antibody reactive against recombinant protein.  
Western Blot detection against recombinant protein (58.41 KDa).  
Western Blot detection against recombinant protein (131.3 KDa).

**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
- ELISA

## 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 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](#)