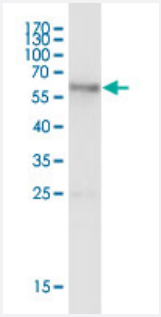
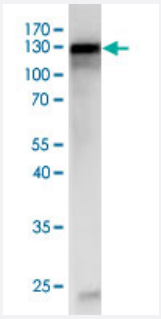
ACTN4 purified rabbit polyclonal antibody

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

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Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA
- Western Blot

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 cytosk eletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-bi nding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform i s found along microfilament bundles and adherens-type junctions, where it is involved in binding a ctin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to t he Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. Th is gene encodes a nonmuscle, alpha actinin isoform which is concentrated in the cytoplasm, and t hought to be involved in metastatic processes. Mutations in this gene have been associated with f ocal and segmental glomerulosclerosis. [provided by RefSeq
Other Designations	actinin alpha4 isoform

Pathway

- Adherens junction
- Arrhythmogenic right ventricular cardiomyopathy (ARVC)

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- 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

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