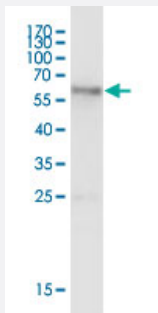


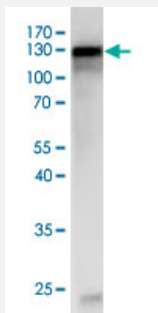
ACTN4 purified rabbit polyclonal antibody

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
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GeneBank Accession#	NM_004924.3
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Protein Accession#	NP_004915.2
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Gene Name	ACTN4
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Gene Alias	ACTININ-4, DKFZp686K23158, FSGS, FSGS1
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Gene Description	actinin, alpha 4
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Omim ID	603278 604638
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Gene Ontology	Hyperlink
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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]
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Other Designations	actinin alpha4 isoform
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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](#)