

Anti-Alpha actinin Antibody (8E638)

Product Details

Ig Type:	IgG
Reactivity:	(predicted:Human,Mouse,Rat)
Molecular Weight:	Theoretical: 103 kDa.
Clone:	8E638
Purification:	Protein G purified

Applications

Application:	ELISA,ICC/IF,IF,IHC-Fr,IHC-P
Recommended	ELISA=1:5000-10000; ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human Alpha-actinin-1 protein 1-205/894 (C-6x His-Tag)
Antigen Species:	Human
Gene ID:	87
Uniprot ID:	P12814
Synonyms:	ACTN1;FLJ54432;ACTN 1;alpha-actinin-1;Actinin 1 Smooth Muscle;Non-Muscle alpha-Actinin-1; alpha Actinin 1;Actinin alpha 1;Actinin, alpha 1;BDPLT15;F-Actin Cross-Linking Protein; FLJ40884;alpha-actinin cytoskeletal isoform
Biology Area:	Mesoderm,Actin Binding Proteins,Actin Crosslinking,Mesoderm

Research Background

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, Jul 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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