RecomAb™

ACTN3 recombinant monoclonal antibody, clone R09-3H3

Catalog # RAB01630 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human ACTN3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ACTN3
Theoretical MW (kDa)	Calculated MW: 103 k
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunohistochemistry (Frozen sections)
- Immunocytochemistry
- Western Blot

Gene Info — ACTN3

Entrez GeneID	89
Protein Accession#	Q08043
Gene Name	ACTN3
Gene Alias	MGC117002, MGC117005
Gene Description	actinin, alpha 3
Omim ID	102574
Gene Ontology	Hyperlink
Gene Summary	Alpha-actinin is an actin-binding protein with multiple roles in different cell types. This gene expression is limited to skeletal muscle. It is localized to the Z-disc and analogous dense bodies, where it helps to anchor the myofibrillar actin filaments [provided by RefSeq
Other Designations	-

Pathway

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

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Disease

- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Glycogen Storage Disease Type V
- Metabolic Syndrome X
- Neoplasms
- Obesity
- Osteoporosis
- Rhabdomyolysis
- Sarcopenia
- Task Performance and Analysis

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