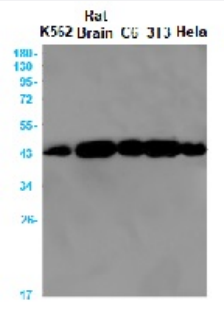
RecomAb™

ACTA1 recombinant monoclonal antibody, clone R03-5D1

Catalog # RAB01631 Size 100 uL

Applications



Western Blot

Western blot analysis of Actin in K562, rat Brain, C6, 3T3, Hela lysates using human Actin recombinant monoclonal antibody, clone R03-5D1 (Cat # RAB01631).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Actin.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Actin
Theoretical MW (kDa)	Calculated MW: 42 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

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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

- Immunoprecipitation
- Western Blot

  Western blot analysis of Actin in K562, rat Brain, C6, 3T3, Hela lysates using human Actin recombinant monoclonal antibody, clone R03-5D1 (Cat # RAB01631).

Gene Info — ACTA1

Entrez GeneID	58
Protein Accession#	P68133
Gene Name	ACTA1
Gene Alias	ACTA, ASMA, CFTD, CFTD1, CFTDM, MPFD, NEM1, NEM2, NEM3
Gene Description	actin, alpha 1, skeletal muscle
Omim ID	102610 161800 255310
Gene Ontology	Hyperlink
Gene Summary	The product encoded by this gene belongs to the actin family of proteins, which are highly conserv ed proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin iso forms have been identified, with alpha actins being a major constituent of the contractile apparatu s, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Mutations in this gene cause nemaline myopathy type 3, con genital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenita l myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects. [provided by RefSeq
Other Designations	OTTHUMP00000036123|alpha skeletal muscle actin

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Disease

- Acute Disease
- Alzheimer disease
- Atherosclerosis
- Calcinosis
- Coronary Artery Disease
- Diabetes Mellitus
- Myocardial Infarction
- Parkinson disease

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