

Datasheet for ABIN5675170
anti-Actin antibody



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2 Images

Overview

Quantity:	100 µL
Target:	Actin (ACTA1)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Actin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ACTA1
Clone:	5F11
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Actin (ACTA1)
Alternative Name:	Actin, alpha skeletal muscle (ACTA1 Products)
Background:	Synonyms: ACTS_HUMAN, Actin, alpha skeletal muscle, Alpha-actin-1, ACTA1, ACTA, ASMA, CFTD, CFTD1, CFTDM, MPFD, NEM1, NEM2, NEM3, Actin alpha skeletal muscle, actin, alpha 1,

Target Details

skeletal muscle 1, actin, alpha 1, skeletal muscle, actina, actine, aktin, alpha Actin 1, alpha skeletal muscle Actin, alpha skeletal muscle, alpha-actin, Beta cytoskeletal actin, nemaline myopathy type 3.

Background: The product encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, 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, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects. [provided by RefSeq, Jul 2008]

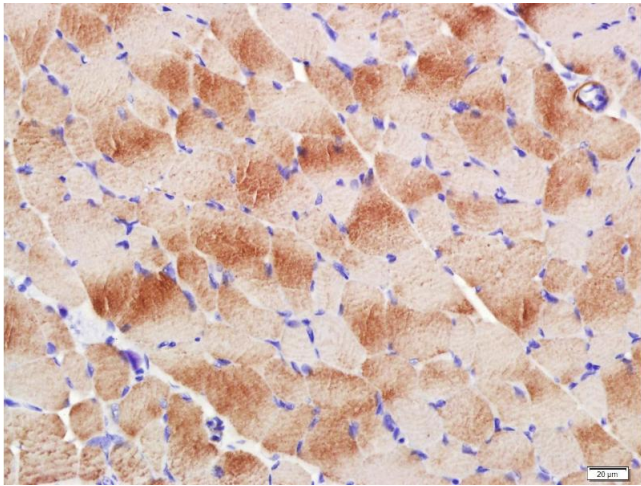
Gene ID:	58
UniProt:	P68133
Pathways:	Caspase Cascade in Apoptosis, Myometrial Relaxation and Contraction, Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded Rat skeletal muscle Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with Actin, alpha skeletal muscle Monoclonal Antibody, Unconjugated at 1:400 overnight at 4°C, DAB staining.

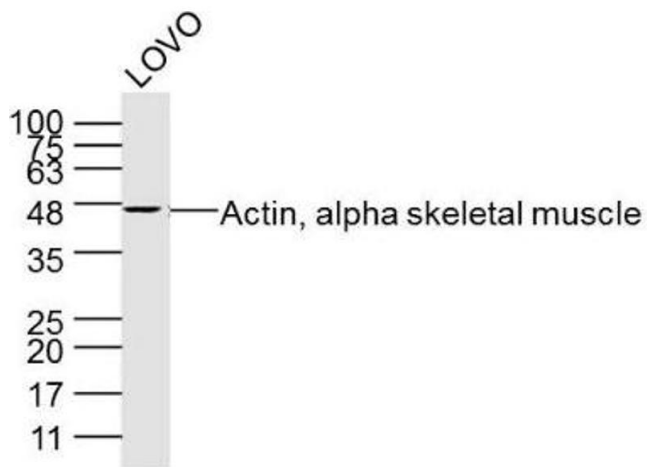


Image 2. LoVo lysates probed with Actin, alpha skeletal muscle Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.