# antibodies - online.com







## anti-ACTC1 antibody





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Quantity:	100 μg
Target:	ACTC1
Reactivity:	Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACTC1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	A synthetic peptide (conjugated to KLH) corresponding to the N-terminal residues of alpha- Actin.
Clone:	M8
Isotype:	lgG1

### Target Details

Target:	ACTC1	
Abstract:	ACTC1 Products	
Background:	Actin, alpha, skeletal muscle 1 (ACTA1) gene encodes skeletal muscle alpha-actin, which is the predominant actin isoform in the sarcomeric thin filaments of adult skeletal muscle, and essential, along with myosin, for muscle contraction. 1 Actin alpha 1 which is expressed in skeletal muscle is one of six different actin isoforms which have been identified. Actins are	

highly conserved proteins that are involved in cell motility, structure and integrity. Alpha actin	
are a major constituent of the contractile apparatus. 2 Alpha-skeletal actin can activate a	
regulatory pathway linking a subset of muscle genes that operates independently of normal	
differentiation and withdrawal from the cell cycle. 3	

Pathways:

Myometrial Relaxation and Contraction

#### **Application Details**

Application Notes:	WB (1:5000). Other applications have not been tested. The optimal dilutions should be
	determined by end user.
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Buffer:	TBS (pH7.4), 0.5% BSA, 40% Glycerol and 0.05% Sodium Azide.
Preservative:	Sodium azide, Thimerosal (Merthiolate)
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C after thawing (1 week). Aliquot and store at -20 °C for long term (at least one year). Avoid repeated freeze and thaw cycles.
Expiry Date:	12 months

## Images



WB: mouse heart tissue lysate