

## Alpha Skeletal Musclce Actin Mouse Monoclonal Antibody

### Catalog #: EAB13019

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Mouse IgG1	Monoclonal	WB, IP, IHC-P, IF/ICC	42	Human, Mouse, Rat

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>WB</b> (Western Blotting)	1:10000-5000
<b>IP</b> (Immunoprecipitation)	1:20-200
<b>IHC-P</b> (Immunohistochemistry-Paraffin)	1:100-500
<b>IF/ICC</b> (Immunofluorescence/Immunocytochemistry)	1:50-300

### Product Information

<b>Conjugate</b>	Unconjugate
<b>Specificity</b>	Alpha Skeletal Musclce Actin Mouse Monoclonal Antibody detects endogenous levels of Alpha Skeletal Musclce Actin protein.
<b>Purification</b>	Affinity purification
<b>Concentration</b>	1mg/ml
<b>Format</b>	Liquid
<b>Formulation</b>	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
<b>Shipping</b>	Gel Pack
<b>Storage</b>	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
<b>UniProt ID</b>	<a href="#">P68133</a>
<b>Entrez-Gene Id</b>	<a href="#">58</a>

### Product Description

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 a variety of myopathies, including nemaline myopathy, 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 with manifestations such as hypotonia.

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