

Mouse anti-Actin Alpha-muscle, clone HHF35, Purified (Monoclonal)

Clone no. HHF35

MONOSAN

Product name	Mouse anti-Actin Alpha-muscle, clone HHF35, Purified (Monoclonal)
Host	Mouse
Applications	EM, ELISA, ICC, IHC-fr, IHC-P, WB
Species reactivity	human, chicken, monkey, rabbit, rat, swine, zebrafish
Conjugate	-
Immunogen	SDS-extracted protein fraction from Human myocardium
Isotype	IgG1
Clonality	Monoclonal
Clone number	HHF35
Size	50 ul
Concentration	1 mg/ml
Format	-
Storage buffer	PBS with 0.09% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Among the six actin isoforms described in mammals, two are found in virtually all cells (β - and γ -cytoplasmic), two are detected in smooth muscle cells (α - and γ -smooth muscle) and two are present in striated muscles, one predominantly in skeletal (α -skeletal) and one in cardiac (α -cardiac) muscle cells. These actin isoforms differ slightly in their N-terminus, but the sequence of each of these actins is highly conserved in higher vertebrates. Alpha- muscle actin is present in striated as well as smooth muscle cells, and in pathological tissues derived therefrom. HHF35 reacts with both α -muscle and γ -smooth muscle actin, and therefore reacts with skeletal muscle, cardiac muscle, vascular and visceral smooth muscle cells, pericytes and myoepithelial cells. It is also reactive in myofibroblasts. It does not react with epithelial, endothelial, neural or normal connective tissue cells when applied under the proper conditions to these tissue sections.

References

1. Tsukada et al. Am J of Path 1987;126:51-60
2. Tsukada et al. Am J of Path 1987;127:389-402
3. Schmidt et al. Am J of Pathol 1988;131:19-28
4. Babaev et al. Am J of Path 1990; 136:1031-1042
5. Nasimento et al. Transpl Proc 2009; 41:4211-4213

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