

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

Clone no. HHF35

MONOSAN

Product name	Mouse anti-Actin (muscle) Purified, clone HHF35 (Monoclonal)
Host	Mouse
Applications	WB, IHC-P, IHC-Fr, ICC
Species reactivity	Human, Chicken, Mouse, Non-human primates, Dog, Rat, Rabbit, Cat
Conjugate	-
Immunogen	SDS extracted protein fraction of human myocardium
Isotype	IgG1
Clonality	Monoclonal
Clone number	HHF35
Size	0.1 mg
Concentration	1 mg/ml
Format	Purified by protein-A affinity chromatography.
Storage buffer	Phosphate buffered saline (PBS), pH 7.4, 15 mM 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

Actin is a highly conserved ubiquitous globular protein (G-actin) that polymerizes to form fibrous F-actin microfilaments. In higher eucaryotes several actin isoforms have been identified, that fall into three classes. Alpha actin is a structural component of the contractile apparatus of muscle cells or muscle-derived cells. Beta actin and gamma actin play roles in regulation of cell motility in other cell types. Specific subcellular structures such as stress fibers, focal adhesions, filopodia etc., are formed by involvement of actin cytoskeleton. Specificity The mouse monoclonal antibody AGPS-03 recognizes AGPS (alkylglycerone phosphate synthase), an intracellular peroxisomal enzyme important for lipid biosynthesis. Application details Western blotting: Recommended dilution: 1 µg/ml; positive control: murine femoral muscle, murine heart, negative control: HUVEC line; reducing conditions.
Immunohistochemistry (paraffin sections): Antigen retrieval steps generally not required, but e.g. in case of arterial smooth muscle cells or myoepithelial cells, pepsin or trypsin pretreatment is recommended.

References

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