

Mouse Actin Monoclonal Antibody | anti-Actin antibody

Anti-Actin (muscle) Purified

CATALOG # AAA128577	HOST Mouse	REACTIVITY Human, Chicken, Mouse, Non-human primates, Dog, Rat, Rabbit, Cat	APPLICATIONS Immunohistochemistry, Western Blot
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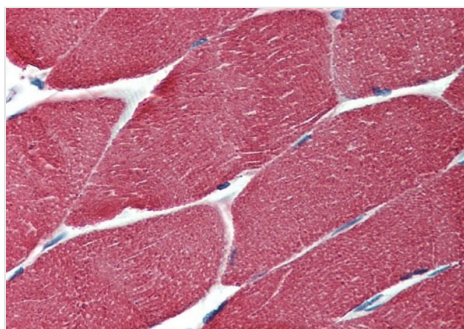
PRODUCT SYNONYMS

Actin; Monoclonal Antibody; Anti-Actin (muscle) Purified; Muscle specific actin; anti-Actin antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Chicken, Mouse, Non-human primates, Dog, Rat, Rabbit, Cat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	HHF35
Specificity	The mouse monoclonal antibody HHF35 recognizes muscle-specific alpha and gamma actin (42 kDa) in various species. This antibody stains skeletal, smooth and myocardial cells as well as myoepithelial cells and pericytes of small vessels. It is a widely used marker of muscle and muscle-derived cells.
Purity/Purification	Purified by Protein-A Affinity Chromatography
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	375
Applicable Applications for anti-Actin antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	SDS extracted protein fraction of human myocardium
Preparation and Storage	Store at 2-8 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry staining of human muscle (paraffin-embedded sections) with anti-muscle-specific actin (HHF35). Commercially tested by LifeSpan BioSciences.

ADDITIONAL INFORMATION

Related Product Information for anti-Actin antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45382927
NCBI GeneID	396526
NCBI GenBank Nucleotide #	NP_990849.1
UniProt Accession #	P60706
NCBI Official Full Name	actin, cytoplasmic 1
NCBI Official Synonym Full Names	actin, beta
NCBI Official Symbol	ACTB
NCBI Official Synonym Symbols	Bact; actin
NCBI Protein Information	actin, cytoplasmic 1
UniProt Protein Name	Actin, cytoplasmic 1
UniProt Gene Name	ACTB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/actin-antibody-clone-hhf35-immunohistochemistry-western-blot-elisa/128577>