

## Mouse alpha skeletal muscle actin Monoclonal Antibody | anti-alpha antibody

alpha skeletal muscle actin Mouse mAb

| CATALOG # | HOST  | REACTIVITY        | APPLICATIONS                       |
|-----------|-------|-------------------|------------------------------------|
| AAA276831 | Mouse | Human, Rat, Mouse | Immunohistochemistry, Western Blot |

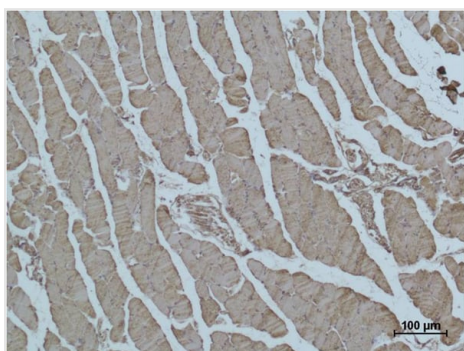
### PRODUCT SYNONYMS

alpha skeletal muscle actin; Monoclonal Antibody; alpha skeletal muscle actin Mouse mAb; ACTA antibody; ACTA1 antibody; ACTC antibody; ACTC1 antibody; Actin alpha cardiac muscle antibody; ACTS antibody; Alpha actin 1 antibody; Cardiac muscle alpha actin 1 antibody; Skeletal muscle alpha actin 1 antibody; anti-alpha antibody

### PRODUCT SPECIFICATIONS

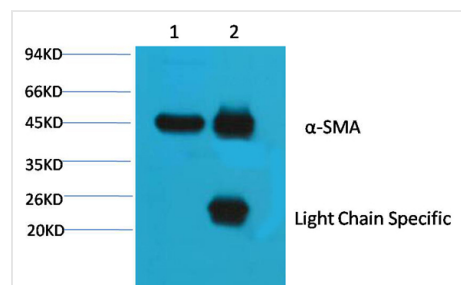
|                                                 |                                                           |
|-------------------------------------------------|-----------------------------------------------------------|
| Host                                            | Mouse                                                     |
| Reactivity                                      | Human, Rat, Mouse                                         |
| Clonality                                       | Monoclonal                                                |
| Isotype                                         | IgG                                                       |
| Form/Format                                     | PBS with 0.02% sodium azide and 50% glycerol pH7.4.       |
| Concentration                                   | 1mg/ml (varies by lot)                                    |
| Applicable Applications for anti-alpha antibody | IHC (Immunohistochemistry), WB (Western Blot)             |
| Species                                         | Human                                                     |
| Immunogen                                       | Synthetic Peptide                                         |
| Preparation and Storage                         | Store at -20 degree C. Avoid repeated freeze-thaw cycles. |

### IMAGES



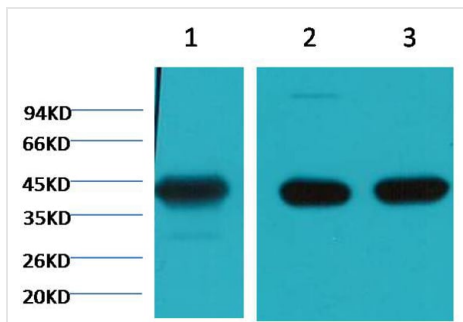
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Mouse Skeletal Muscle Tissue using alpha skeletal muscle actin (AAA276831) Mouse mAb diluted at 1:500.



#### Application Data

1. Input: Mouse Brain Tissue Lysate 2. IP product: IP dilute 1:200 Western blot analysis: primary antibody : AAA276831 1:10,000 Secondary antibody: Goat anti-Mouse IgG, Light chain specific(S003), 1:5,000



#### WB (Western Blot)

Western blot analysis of 1) Hela, 2) Mouse Brain tissue, 3) Rat Brain tissue with AAA276831 diluted at 1:20,000.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-alpha antibody</b> | Actin, alpha skeletal muscle is a protein that in humans is encoded by the ACTA1 gene. 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 actins are a major constituent of the contractile apparatus |
| <b>Product Categories/Family for anti-alpha antibody</b>   | Cytoplasm; Cytoskeleton                                                                                                                                                                                                                                                                                                                                                           |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| <b>NCBI GI #</b>                        | 4501881                                                |
| <b>NCBI GeneID</b>                      | 58                                                     |
| <b>NCBI Accession #</b>                 | NP_001091.1                                            |
| <b>NCBI GenBank Nucleotide #</b>        | NM_001100.3                                            |
| <b>UniProt Accession #</b>              | P68133; P02568; P99020; Q5T8M9                         |
| <b>Molecular Weight</b>                 | Observed band: 42 kDa                                  |
| <b>NCBI Official Full Name</b>          | actin, alpha skeletal muscle                           |
| <b>NCBI Official Synonym Full Names</b> | actin, alpha 1, skeletal muscle                        |
| <b>NCBI Official Symbol</b>             | ACTA1                                                  |
| <b>NCBI Official Synonym Symbols</b>    | ACTA; ASMA; CFTD; MPFD; NEM1; NEM2; NEM3; CFTD1; CFTDM |
| <b>NCBI Protein Information</b>         | actin, alpha skeletal muscle; nemaline myopathy type 3 |
| <b>UniProt Protein Name</b>             | Actin, alpha skeletal muscle                           |
| <b>UniProt Gene Name</b>                | <b>ACTA1</b>                                           |
| <b>UniProt Synonym Gene Names</b>       | ACTA                                                   |
| <b>UniProt Entry Name</b>               | ACTS_HUMAN                                             |

**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/alpha-skeletal-muscle-actin-antibody-immunohistochemistry-western-blot-elisa/276831>