

## Mouse alpha skeletal muscle actin Monoclonal Antibody | anti-ACTA1 antibody

alpha skeletal muscle actin Monoclonal Antibody (4B11)

| CATALOG # | HOST  | REACTIVITY        | APPLICATIONS                                                                                     |
|-----------|-------|-------------------|--------------------------------------------------------------------------------------------------|
| AAA30818  | Mouse | Human, Mouse, Rat | Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Immunoprecipitation |

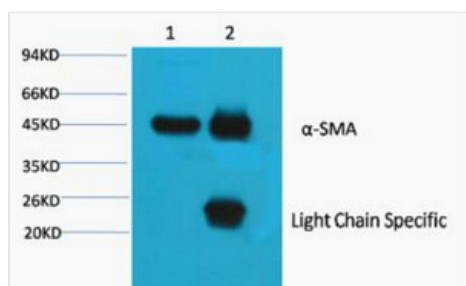
### PRODUCT SYNONYMS

alpha skeletal muscle actin; Monoclonal Antibody; alpha skeletal muscle actin Monoclonal Antibody (4B11); Actin alpha skeletal muscle; ACTA1; ACTA; Actin; alpha skeletal muscle; Alpha-actin-1; anti-ACTA1 antibody

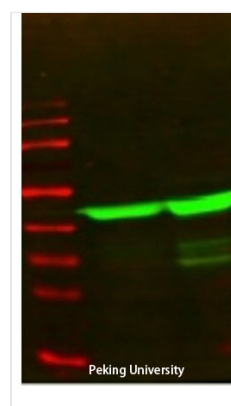
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                             |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                       |
| Reactivity                                      | Human, Mouse, Rat                                                                                                           |
| Clonality                                       | Monoclonal                                                                                                                  |
| Clone Number                                    | 4B11                                                                                                                        |
| Specificity                                     | The antibody detects endogenous alpha Skeletal Muscle Actin protein.                                                        |
| Purity/Purification                             | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                  |
| Form/Format                                     | PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.                                       |
| Applicable Applications for anti-ACTA1 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), IP (Immunoprecipitation) |
| Application Notes                               | WB: 1:500-10000<br>IP: 1:200<br>IF: 1:200<br>IHC: 1:50-300                                                                  |
| Immunogen                                       | Synthetic Peptide of alpha skeletal muscle actin                                                                            |
| Modification                                    | Unmodified/Total                                                                                                            |
| Preparation and Storage                         | Store at -20 degree C/1 year                                                                                                |

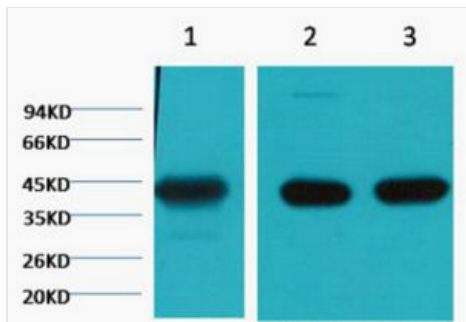
### IMAGES



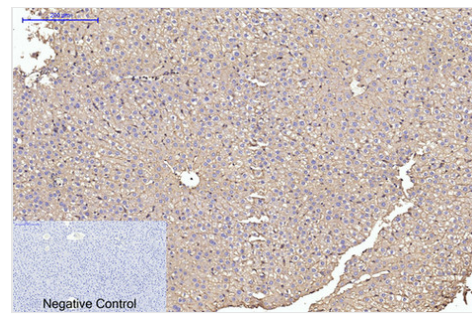
Application Data



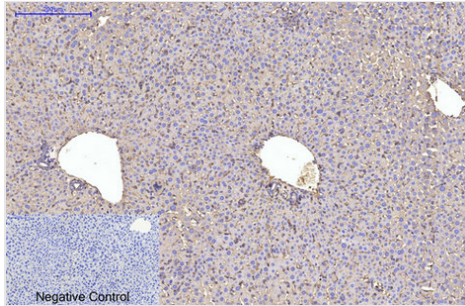
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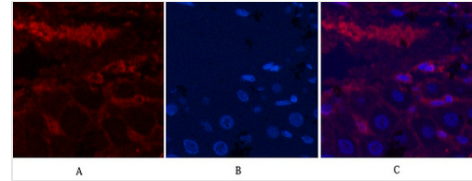
Application Data



Application Data



Application Data



Application Data

## ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ACTA1 antibody | 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 nemaline myopathy type 3, 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. [provided by RefSeq, Jul 2008] |
| Product Categories/Family for anti-ACTA1 antibody   | <a href="#">Primary Antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">4501881</a>                                                                           |
| NCBI GeneID                      | <a href="#">58</a>                                                                                |
| NCBI Accession #                 | <a href="#">NP_001091.1</a>                                                                       |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001100.3</a>                                                                       |
| UniProt Accession #              | <a href="#">P68133</a> ; <a href="#">P02568</a> ; <a href="#">P99020</a> ; <a href="#">Q5T8M9</a> |
| Molecular Weight                 | 42,051 Da                                                                                         |
| NCBI Official Full Name          | actin, alpha skeletal muscle                                                                      |
| NCBI Official Synonym Full Names | actin, alpha 1, skeletal muscle                                                                   |
| NCBI Official Symbol             | ACTA1                                                                                             |
| NCBI Official Synonym Symbols    | ACTA; ASMA; CFTD; MPFD; NEM1; NEM2; NEM3; CFTD1; CFTDM                                            |
| NCBI Protein Information         | actin, alpha skeletal muscle; nemaline myopathy type 3                                            |
| UniProt Protein Name             | Actin, alpha skeletal muscle                                                                      |
| UniProt Gene Name                | <b>ACTA1</b>                                                                                      |

|                            |            |
|----------------------------|------------|
| UniProt Synonym Gene Names | ACTA       |
| UniProt Entry Name         | 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-clone-4b11-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-immunoprecipitation-elisa/30818>