

## Mouse ACTA2 Antibody | anti-ACTA2 antibody

ACTA2 Antibody

| CATALOG # | HOST  | REACTIVITY                | APPLICATIONS                                                                |
|-----------|-------|---------------------------|-----------------------------------------------------------------------------|
| AAA108802 | Mouse | Human, Monkey, Rat, Mouse | ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot |

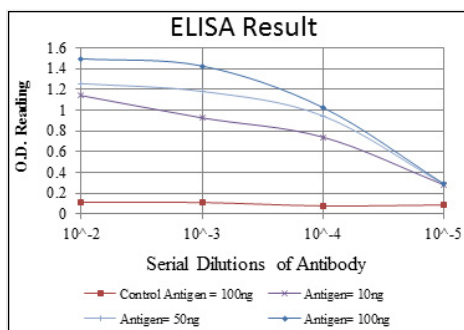
### PRODUCT SYNONYMS

ACTA2; ACTA2 Antibody; AAT6; ACTSA; anti-ACTA2 antibody

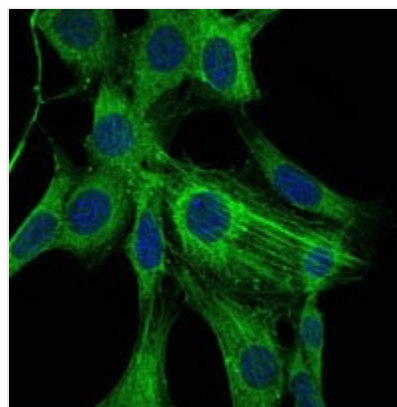
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                           |
| Reactivity                                      | Human, Monkey, Rat, Mouse                                                       |
| Isotype                                         | IgG1                                                                            |
| Clone Number                                    | 1H8                                                                             |
| Form/Format                                     | Ascitic fluid containing 0.03% sodium azide.                                    |
| Sequence Length                                 | 377                                                                             |
| Applicable Applications for anti-ACTA2 antibody | ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                       | Purified recombinant fragment of human ACTA2 expressed in E. Coli.              |
| Preparation and Storage                         | Store at 4 degree C, for long term storage, store at -20 degree C.              |

### IMAGES

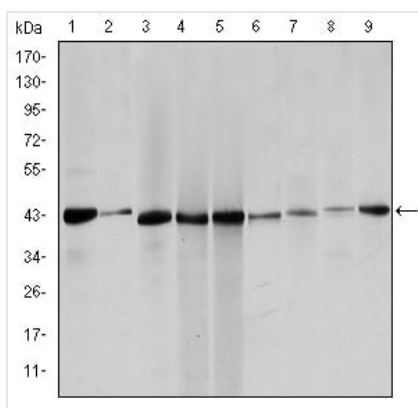


Application Data



IF (Immunofluorescence)

Figure 2: Immunofluorescence analysis of NIH/3T3 cells using ACTA2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



#### WB (Western Blot)

Figure 1: Western blot analysis using ACTA2 mouse mAb against HeLa (1), Jurkta (2), HepG2 (3), MCF-7 (4), A431 (5), A549 (6), PC-12 (7), NIH/3T3 (8) and Cos7 (9) cell lysate.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                   |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-ACTA2 antibody</b> | Actin, alpha 2, smooth muscle, aorta, major constituent of thin filaments.                                                                                                                                        |
| <b>Product Categories/Family for anti-ACTA2 antibody</b>   | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |

## NCBI AND UNIPROT INFORMATION

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| <b>NCBI GI #</b>                        | 213688375                              |
| <b>NCBI GeneID</b>                      | 59                                     |
| <b>NCBI Accession #</b>                 | NP_001135417.1                         |
| <b>NCBI GenBank Nucleotide #</b>        | NM_001141945.2                         |
| <b>UniProt Accession #</b>              | P62736; P03996; P04108; Q6FI19; B2R8A4 |
| <b>Molecular Weight</b>                 | 42kDa                                  |
| <b>NCBI Official Full Name</b>          | actin, aortic smooth muscle            |
| <b>NCBI Official Synonym Full Names</b> | actin, alpha 2, smooth muscle, aorta   |
| <b>NCBI Official Symbol</b>             | ACTA2                                  |
| <b>NCBI Official Synonym Symbols</b>    | ACTSA                                  |
| <b>NCBI Protein Information</b>         | actin, aortic smooth muscle            |
| <b>UniProt Protein Name</b>             | Actin, aortic smooth muscle            |
| <b>UniProt Gene Name</b>                | <b>ACTA2</b>                           |
| <b>UniProt Synonym Gene Names</b>       | ACTSA; ACTVS                           |

**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/mouse-human-monkey-mouse-rat-antibody/acta2/108802>