

## Rabbit ACTA2 Polyclonal Antibody | anti-ACTA2 antibody

ACTA2 Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA279476</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

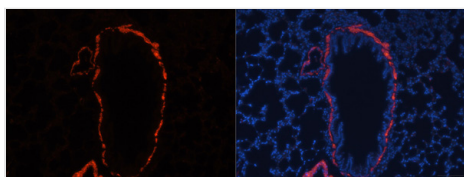
### PRODUCT SYNONYMS

ACTA2; Polyclonal Antibody; ACTA2 Polyclonal Antibody; AAT6; ACTSA; MYMY5; anti-ACTA2 antibody

### PRODUCT SPECIFICATIONS

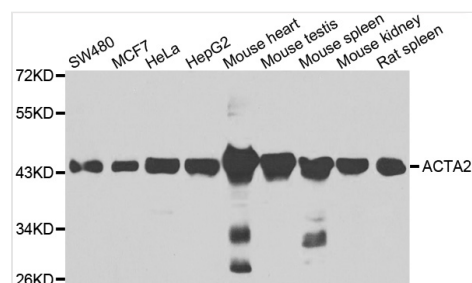
|                                                 |                                                                                                              |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                       |
| Reactivity                                      | Human, Mouse, Rat                                                                                            |
| Clonality                                       | Polyclonal                                                                                                   |
| Isotype                                         | IgG                                                                                                          |
| Purity/Purification                             | Affinity Purification                                                                                        |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                       |
| Sequence Length                                 | 377                                                                                                          |
| Applicable Applications for anti-ACTA2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                |
| Species                                         | Human                                                                                                        |
| Immunogen                                       | Recombinant Protein                                                                                          |
| Immunogen                                       | Recombinant protein of human ACTA2                                                                           |
| Calculated Molecular Weight                     | 42kDa                                                                                                        |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3. |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescence analysis of rat lung using ACTA2 antibody. Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ACTA2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ACTA2 antibody | The protein 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. Defects in this gene cause aortic aneurysm familial thoracic type 6. Multiple alternatively spliced variants, encoding the same protein, have been identified. |
| Product Categories/Family for anti-ACTA2 antibody   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------|
| NCBI GI #                        | 51316972                                                                                 |
| NCBI GeneID                      | 59                                                                                       |
| UniProt Accession #              | P62736; P03996; P04108; Q6FI19; B2R8A4                                                   |
| Molecular Weight                 | 377                                                                                      |
| NCBI Official Full Name          | Actin, aortic smooth muscle                                                              |
| NCBI Official Synonym Full Names | actin, alpha 2, smooth muscle, aorta                                                     |
| NCBI Official Symbol             | ACTA2                                                                                    |
| NCBI Official Synonym Symbols    | AAT6; ACTSA; MYMY5                                                                       |
| NCBI Protein Information         | actin, aortic smooth muscle; alpha-cardiac actin; cell growth-inhibiting gene 46 protein |
| UniProt Protein Name             | Actin, aortic smooth muscle                                                              |
| UniProt Gene Name                | ACTA2                                                                                    |
| UniProt Synonym Gene Names       | ACTSA; ACTVS                                                                             |
| UniProt Entry Name               | ACTA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/acta2-antibody-immunohistochemistry-western-blot-elisa/279476>