

ACTA2 Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1585a

Product Information

| Application Primary Accession Reactivity Host Clonality Clone Names Isotype Calculated MW Description | WB, IHC, FC, ICC, E P62736 Human, Mouse, Rat, Monkey Mouse Monoclonal 4A4 IgG1 42009 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 actin is found 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. |
|---|---|
| Immunogen | Synthesized peptide of human ACTA2. |
| Formulation | Ascitic fluid containing 0.03% sodium azide. |

Additional Information

| Gene ID | 59 |
|-------------|--|
| Other Names | Actin, aortic smooth muscle, Alpha-actin-2, Cell growth-inhibiting gene 46 protein, ACTA2, ACTSA, ACTVS |
| Dilution | WB~~1/500 - 1/2000 IHC~~1/500 - 1/2000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000 |
| Storage | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Precautions | ACTA2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

| Name | ACTA2 |
|-------------------|--|
| Synonyms | ACTSA, ACTVS |
| Function | Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. |
| Cellular Location | Cytoplasm, cytoskeleton. |

References

1. J Hum Genet. 2009 Nov;54(11):687-8. 2. Hum Mutat. 2009 Oct;30(10):1406-11.

Images



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.