

ACTA2 monoclonal antibody

Catalog: MB22905

Host: Mouse

Reactivity: Human, Mouse, Rat

BackGround:

This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a smooth muscle actin that is involved in vascular contractility and blood pressure homeostasis. Mutations in this gene cause a variety of vascular diseases, such as thoracic aortic disease, coronary artery disease, stroke, and Moyamoya disease, as well as multisystemic smooth muscle dysfunction syndrome.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

42kDa

Swiss-Prot:

P62736

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

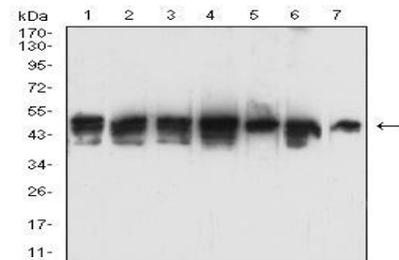
WB:1/500 - 1/2000 IHC:1/200-1/1000 FC:1/200-1/400

Storage&Stability:

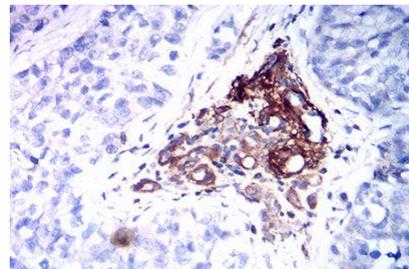
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Isotype:

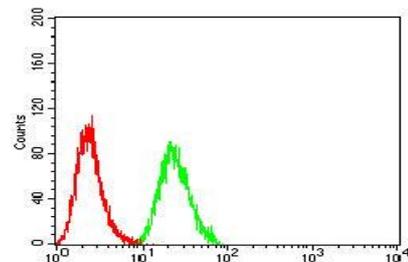
Mouse IgG1

DATA:

Western blot analysis using ACTA2 mouse mAb against EC (1), HU-VE-12 (2), A549 (3), NIH/3T3 (4), HL-60 (5), Hela (6), and K652 (7) cell lysate.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using ACTA2 mouse mAb with DAB staining.



Flow cytometric analysis of Hela cells using ACTA2 mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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