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ACTA2 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1515a

Specification

ACTA2 Antibody - Product Information

Application	**WB, IHC, E**
Primary Accession	P62736
Reactivity	**Human, Monkey**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**42kDa KDa**

Description
Actin, alpha 2, smooth muscle, aorta, major constituent of thin filaments.

Immunogen
Purified recombinant fragment of human ACTA2 expressed in E. Coli.

Formulation
Ascitic fluid containing 0.03% sodium azide.

ACTA2 Antibody - 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~~1/200 - 1/1000
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.

ACTA2 Antibody - Protein Information

Name ACTA2

Synonyms ACTSA, ACTVS

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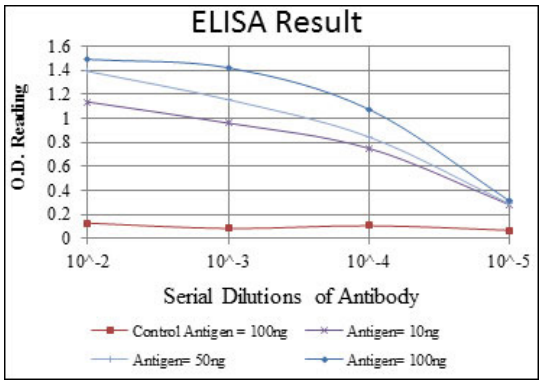
Function
Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

Cellular Location
Cytoplasm, cytoskeleton.

ACTA2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



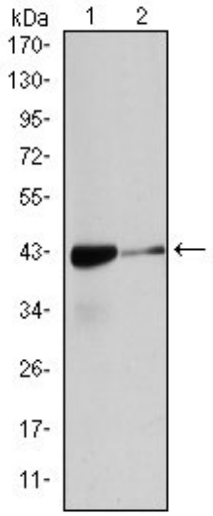


Figure 1: Western blot analysis using ACTA2 mouse mAb against Hela (1), and Cos7 (2) cell lysate.

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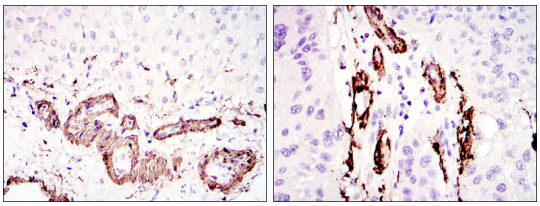

Figure 2: Immunohistochemical analysis of paraffin-embedded liver tissues (left) and lung cancer tissues (right) using ACTA2 mouse mAb with DAB staining.

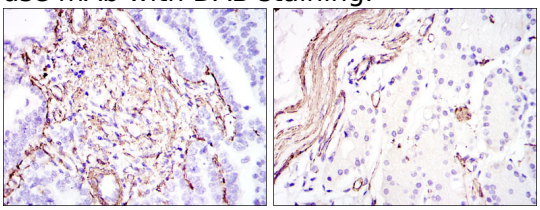

Figure 3: Immunohistochemical analysis of paraffin-embedded stomach cancer (left) and stomach tissues (right) using ACTA2 mouse mAb with DAB staining.

ACTA2 Antibody - References

1. Nat Genet. 2007 Dec;39(12):1488-93. 2. Virchows Arch. 2007 Dec;451(6):999-1007.