

ACTA2 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3832
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human ACTA2 (AA: 2-124) expressed in E. Coli.
Mol wt	42kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	ACTSA

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

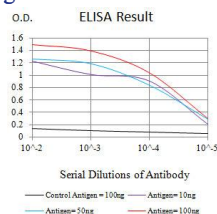
IHC-p: 1:200-1:1000

FCM: 1:200-1:400

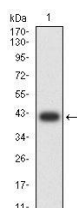
ELISA: 1:10000

Not yet tested in other applications.

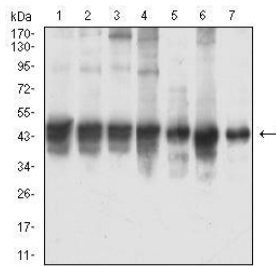
Images



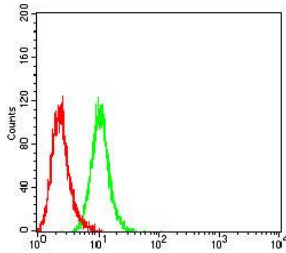
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



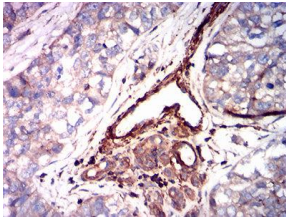
Western blot analysis using ACTA2 mAb against human ACTA2 (AA: 2-124) recombinant protein. (Expected MW is 40 kDa)



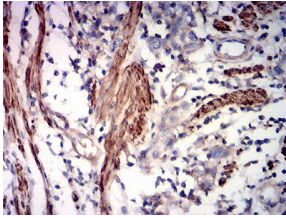
Western blot analysis using ACTA2 mouse mAb against EC (1), HUVE-12 (2), A549 (3), NIH/3T3 (4), HL-60 (5), Hela (6), and K652 (7) cell lysate.



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



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



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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