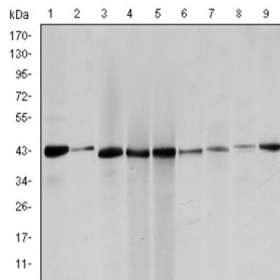
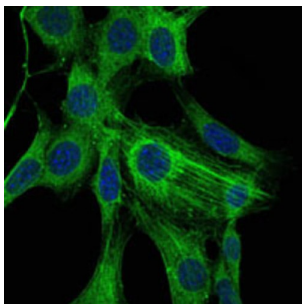


Actin Alpha 2, Smooth Muscle (ACTA2) Antibody

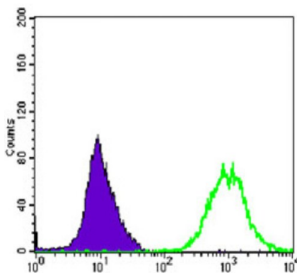
Catalogue No.: abx010348



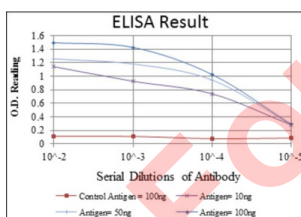
Western blot analysis using ACTA2 antibody against Hela (1), Jurkta (2), HepG2 (3), MCF-7 (4), A431 (5), A549 (6), PC-12 (7), NIH/3T3 (8) and Cos7 (9) cell lysate.



Immunofluorescence analysis of NIH/3T3 cells using ACTA2 antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of Hela cells using ACTA2 antibody (green) and negative control (purple).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

Actin alpha 2, the human aortic smooth muscle actin gene, is one of six different actin isoforms which have been identified. Actins are highly conserved proteins that are involved in cell motility, structure and integrity. alpha actins are a major constituent of the contractile apparatus.

Target: Actin Alpha 2, Smooth Muscle (ACTA2)

Clonality: Monoclonal

Datasheet

Version: 3.0.0
Revision date: 29 Jun 2025



Reactivity:	Human, Monkey, Rat, Mouse
Tested Applications:	ELISA, WB, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human ACTA2 expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P62736 (UniProt , ExPASy)
GeneID:	59
KEGG:	hsa:59
String:	9606.ENSP00000402373
Molecular Weight:	42 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.