

Datasheet for ABIN4905845

anti-Actin antibody

3 Images

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Overview

Quantity:	100 µL
Target:	Actin (ACTA1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Actin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This ACTA1 monoclonal antibody is generated from mouse immunized with ACTA1 recombinant protein.
Clone:	7C1
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	Actin (ACTA1)
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Target Details

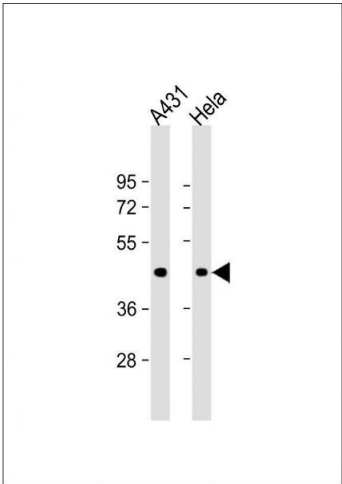
Alternative Name:	ACTA1 (ACTA1 Products)
Background:	<p>Synonyms: ACTA, ASMA, CFTD, MPFD, NEM1, NEM2, NEM3, SHPM, CFTD1, CFTDM, Actin, alpha skeletal muscle, Alpha-actin-1, ACTA1</p> <p>Background: Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.</p>
Gene ID:	58
UniProt:	P68133
Pathways:	Caspase Cascade in Apoptosis , Myometrial Relaxation and Contraction , Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB 1:300-5000 FCM 1:20-100 IHC-P 1:200-400
Restrictions:	For Research Use only

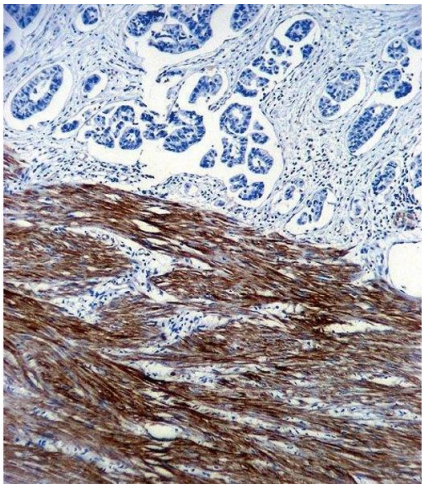
Handling

Format:	Liquid
Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months



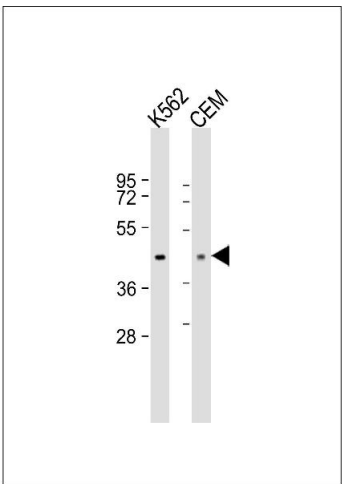
Western Blotting

Image 1. Lane 1: A431, Lane 2: HeLa lysate at 20 µg per lane, probed with bsm-51104M ACTA1 (337CT30.10.1) Monoclonal Antibody at 1:1000 dilution and 4°C *overnight incubation, followed by secondary antibody incubation for 60min at room temperature.*



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded human colon carcinoma tissue, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 15 minutes, Blocking buffer (3% BSA) at room temperature for 30min, Antibody incubation with ACTA1 (337CT30.10.1) Monoclonal Antibody (bsm-51104M) at 1:50 for 1 hour at 37°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.



Western Blotting

Image 3. Lane 1: K562, Lane 2: CEM lysate at 20 µg per lane, probed with bsm-51104M ACTA1 (337CT30.10.1) Monoclonal Antibody at 1:1000 dilution and 4°C *overnight incubation, followed by secondary antibody incubation for 60min at room temperature.*