Datasheet for ABIN933098

anti-beta Actin antibody

3 Images

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Overview

Quantity:	100 µg
Target:	beta Actin (ACTB)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Flow Cytometry (FACS), Dot Blot (DB)

Product Details

Immunogen:	ACTB antibody was raised in mouse using recombinant Human Beta Actin
Clone:	ACTBD11B7
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

Target Details

Target:	beta Actin (ACTB)
Alternative Name:	ACTB (ACTB Products)
Background:	Beta actin is one of six different actin isoforms which have been identified. ACTB is one of the two nonmuscle cytoskeletal actins. Actins are highly conserved proteins that are involved in cell

Target Details

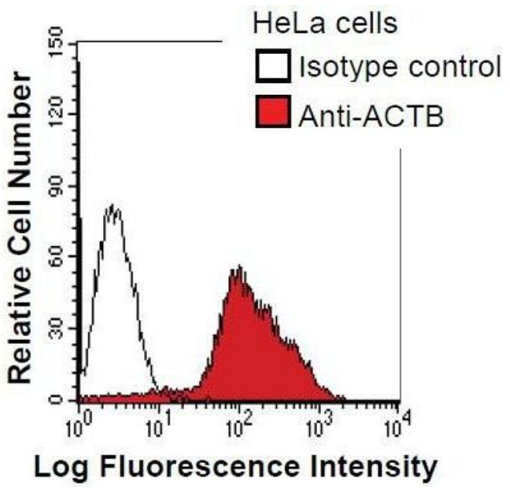
	motility, structure and integrity. Alpha actins are a major constituent of the contractile apparatus. Synonyms: Monoclonal ACTB antibody, Anti-ACTB antibody, Actin beta antibody, PS1TP5BP1 antibody.
Pathways:	Myometrial Relaxation and Contraction, Cell-Cell Junction Organization, Maintenance of Protein Location, Phototransduction

Application Details

Application Notes:	WB: 0.2-2 µg/mL, FC: 0.5-2 µg/sample, ICC: 2-100 µg/mL Optimal conditions should be determined by the investigator.
Restrictions:	For Research Use only

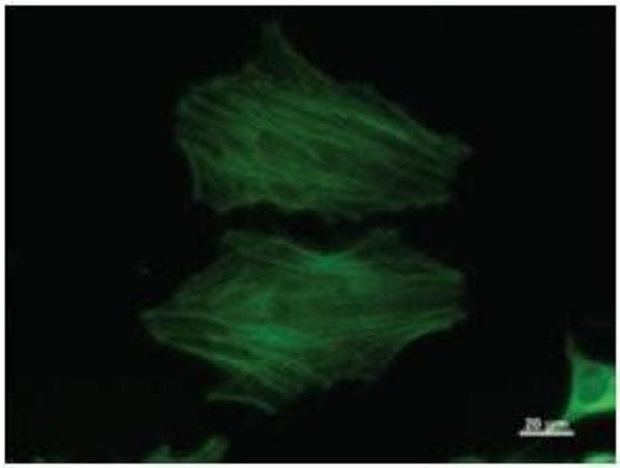
Handling

Concentration:	Lot specific
Buffer:	ACTB antibody in PBS (3.0 mM KCl, 1.5 mM KH2 PO4 , 140 mM NaCl, 8.0 mM Na2 HPO4 (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN3).
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



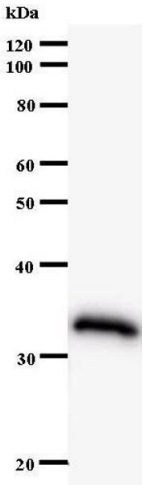
Flow Cytometry

Image 1. HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-ACTB antibody (shaded) or isotype control (unshaded) followed by Alexa Fluor 488 conjugated goat anti-mouse IgG.



Immunofluorescence

Image 2. Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-ACTB antibody.



Western Blotting

Image 3.