Anti-Beta Actin/ACTB Antibody (Clone#BF-1)

Catalog Number: *BM3873*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-Beta Actin/ACTB Antibody (Clone#BF-1)
Gene Name	ACTB
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat, monkey, zebrafish
Tested Application	WB, IHC, ICC/IF
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human beta Actin
Purification	Immunogen affinity purified.
Observed MW	42 kDa(不适用于心肌样本的检测)
Dilution Ratios	Western blot (WB): 1:2000-20000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

The primary site of action of cytochalasin B on cell motility processes is beta-actin. Habets et al.(1992) generated hybrids that harbor only specific regions of human chromosome 7 and assigned the ACTB locus to 7p15-p12. ACTB and the other assigned beta-actin-related sequences are dispersed over at least four different chromosomes including one locus assigned to the X chromosome. A mutation of beta-actin that alters depolymerization dynamics is associated with autosomal dominant developmental malformations, deafness, and dystonia.

Reference

Anti-Beta Actin/ACTB Antibody (Clone#BF-1)被引用在231文献中。

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE

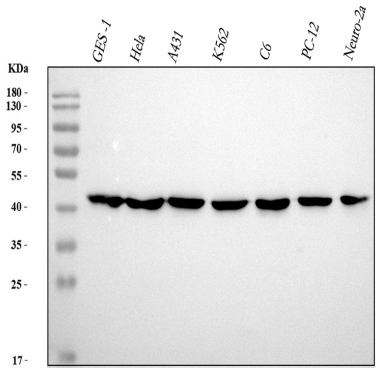
Product datasheet

Anti-Beta Actin/ACTB Antibody (Clone#BF-1)

Catalog Number: *BM3873*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Selected Validation Data



Western blot analysis of anti-Beta Actin/ACTB antibody (BM3873). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human GES-1 whole cell lysates,
Lane 2: human Hela whole cell lysates,
Lane 3: human A431 whole cell lysates,
Lane 4: human K562 whole cell lysates,
Lane 5: rat C6 whole cell lysates,
Lane 6: mouse PC-12 whole cell lysates,
Lane 7: mouse Neuro-2a whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Beta Actin/ACTB antigen affinity purified monoclonal antibody (BM3873) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Beta Actin/ACTB at approximately 42 kDa. The expected band size for Beta Actin/ACTB is at 42 kDa.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE