

Datasheet for ABIN2854710
anti-beta Actin antibody (C-Term)



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4 Images

Overview

Quantity:	100 µL
Target:	beta Actin (ACTB)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta Actin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human beta Actin. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to beta Actin (actin, beta) beta Actin antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	beta Actin (ACTB)
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Target Details

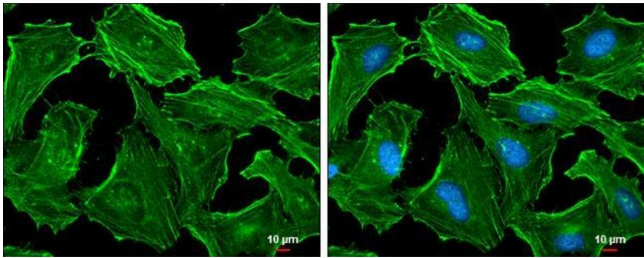
Alternative Name:	actin beta (ACTB Products)
Background:	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins. Cellular Localization: Cytoplasm , cytoskeleton
Molecular Weight:	42 kDa
Gene ID:	60
UniProt:	P60709
Pathways:	Myometrial Relaxation and Contraction , Cell-Cell Junction Organization , Maintenance of Protein Location , Phototransduction

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Neuro 2A , C8D30 , NIH-3T3 , Raw264.7 , C2C12 , PC-12 , Rat2
Restrictions:	For Research Use only

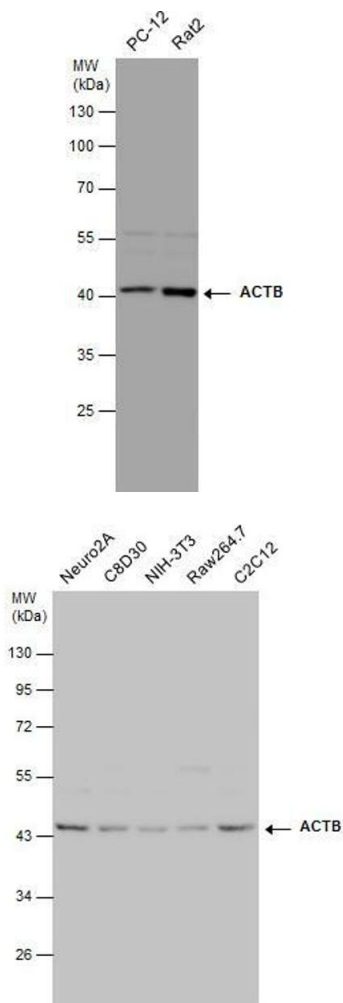
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Immunofluorescence

Image 1. ICC/IF Image beta Actin antibody detects beta Actin protein at cytoskeleton by immunofluorescent analysis. Sample: HeLa cells were fixed in ice-cold MeOH for 5 min. Green: beta Actin protein stained by beta Actin antibody , diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 μm.



Western Blotting

Image 2. WB Image beta Actin antibody detects beta Actin protein by western blot analysis. Various whole cell extracts (30 μg) were separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody , diluted at 1:1000.

Western Blotting

Image 3. WB Image beta Actin antibody detects beta Actin protein by western blot analysis. Various whole cell extracts (30 μg) were separated by 10% SDS-PAGE, and the membrane was blotted with beta Actin antibody , diluted at 1:1000.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2854710.