

Datasheet for ABIN3029837
anti-beta Actin antibody[Go to Product page](#)

5 Images

Overview

Quantity:	0.4 mL
Target:	beta Actin (ACTB)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This beta Actin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	This b-Actin antibody was produced from a mouse immunized with ACTB recombinant protein.
Clone:	137CT26-1-1
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	Expected species reactivity: Rat, Bovine, Pig, Primate, Chicken, Xenopus
Purification:	Purified

Target Details

Target:	beta Actin (ACTB)
Alternative Name:	B-Actin (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

Target Details

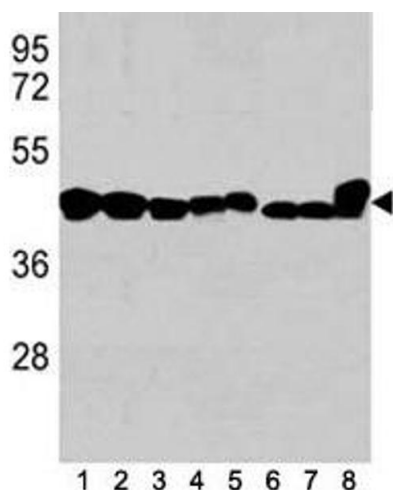
	contractile apparatus. It is classically referred to as being a 'nonmuscle' actin, however expression is ubiquitous, strongly in lymph tissue and weakly in heart and muscle.
UniProt:	P60709
Pathways:	Myometrial Relaxation and Contraction , Cell-Cell Junction Organization , Maintenance of Protein Location , Phototransduction

Application Details

Application Notes:	Titration of the b-Actin antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. IHC (Paraffin): 1:10-1:50,Immunofluorescence: 1:10-1:50,Western blot: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS pH 7.4 with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the b-Actin antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



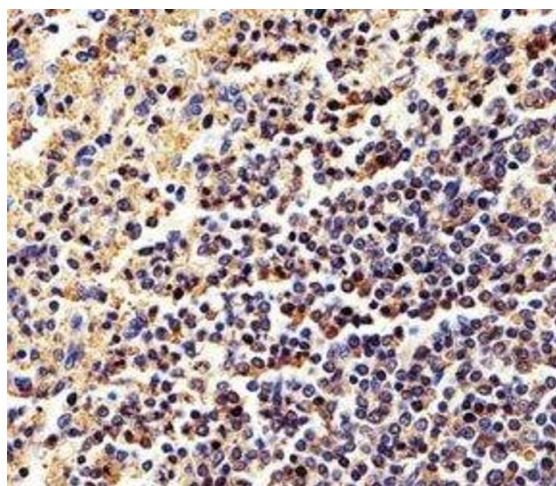
Western Blotting

Image 1. Western blot analysis of b-Actin antibody in 1) K562, 2) HL-60, 3) HeLa cell line, and mouse tissues 4) spleen, 5) liver, 6) mouse NIH3T3 cell lysate, 7) mouse cerebellum and 8) mouse brain tissue lysate



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of b-Actin antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used as a nuclear counterstain (blue).



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human spleen using b-Actin antibody at 1:25 dilution.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3029837.