SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0145-200	600 µg

Anti-beta-Actin

Source: Goat

General description: Actin proteins are highly conserved and ubiquitously expressed in all eukaryotic cells. These proteins are the major components of the cytoskeleton and involved in various types of cell motility.

Alternative names: ACTB, beta-actin, BRWS1, PS1TP5BP1 antibody.

Form: Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant peptide derived from within residues 100 aa to the N-terminus of human beta-Actin produced in E. coli.

Specificity: Detects a band of approximately 42 kDa by Western blot in the following human (293A, primary fibroblasts, HaCat, HeLa, HMEC-1, Jurkat, MNT1, U-118, rat (TR-iBRB), mouse (3T3, AtT-20, Hepa, Raw264.7), monkey (COS-7) and canine (D17) whole cell lysates.

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	+++	+++	+++	ND
Rat	+++	+++	+++	+++	ND
Mouse	+++	+++	+++	+++	ND
Canine	+++	+++	+++	+++	ND
Monkey	+++	+++	+++	+++	ND

+++ excellent, ++ good, + poor, ND not determined

Usage:

WB:	1:250-1:2,000
IF:	1:50-1:250
IHC (F):	1:250-1:1,000

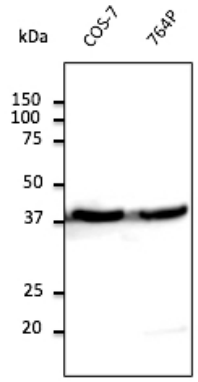
IHC (P): 1:250-1:1,000

Storage: For continuous use, store at 2-8 deg;C for one-two days. For extended storage, store in -20 deg;C freezer. Working dilution samples should be discarded if not used within 12 hours.

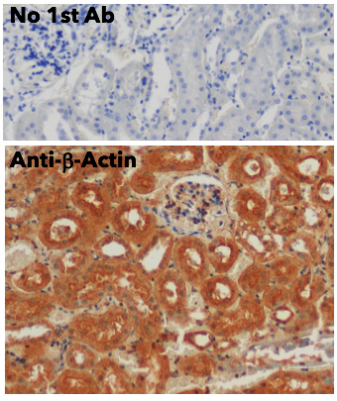
Special instructions: The antibody solution should be gently mixed before use..

References:

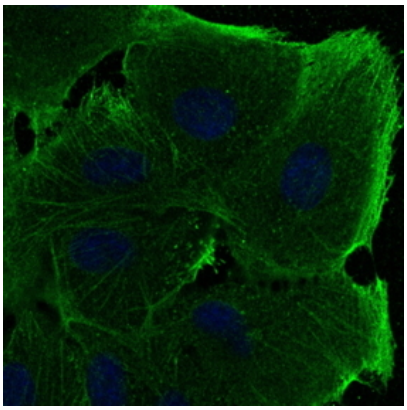
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2. Morcom, L, Edwards T, Rider E, et al. bioRxiv 2020
3. Cardoso MHS, PhD Thesis, NOVA University of Lisbon, Portugal 2018
4. Lousa I, Reis F, Viana S, et al. Biomolecules 2023 Mar PMID: 36979469
5. Fernandes J, MSc Thesis, NOVA University of Lisbon, Portugal, 2023
6. Fernandes J, Martins F, Olea E, et al. bioRxiv 2023
7. Melo B, Sacramento J, Lavergne J, et al. bioRxiv 2023
8. Lousa I, Reis F, Viana S, et al. Biomolecules 2023 Mar PMID: 36979469
9. Melo GM, Capucho AM, Sacramento JF, et al. Nutrients 2023 Dec PMID: 38201896



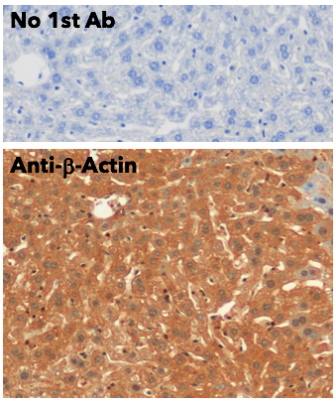
Anti-beta-Actin Ab at 1/500 dilution; lysates at 100 µg per lane; Rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



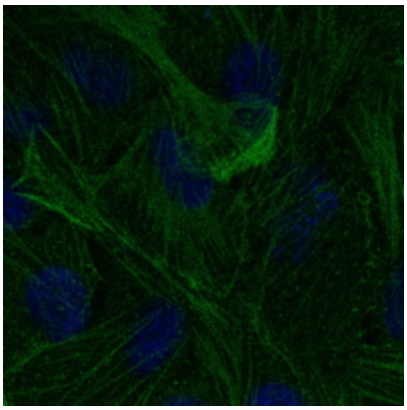
IHC of mouse kidney using anti-b-Actin antibody and FFPE tissue after heat-induced antigen retrieval. Anti-b-Actin Ab at 1:500/DAB detection;



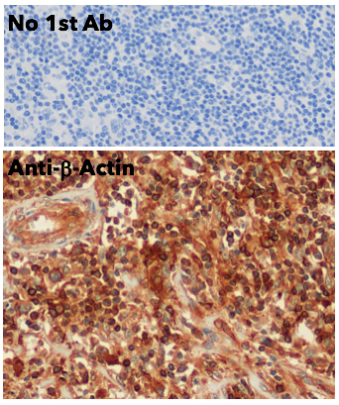
Immunofluorescence – anti-beta-Actin Ab at 1/100 dilution in NHI/3T3 cells; cells were fixed with methanol and permeabilized with 0.1% saponin;



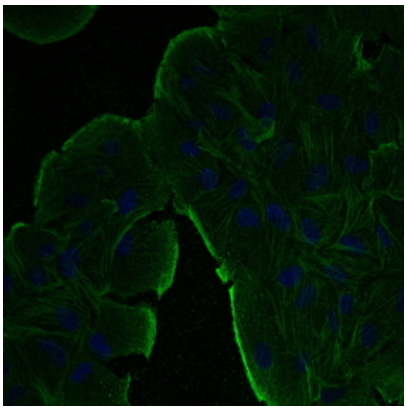
IHC of mouse liver using anti-b-Actin antibody and FFPE tissue after heat-induced antigen retrieval. Anti-b-Actin Ab at 1:500/DAB detection;



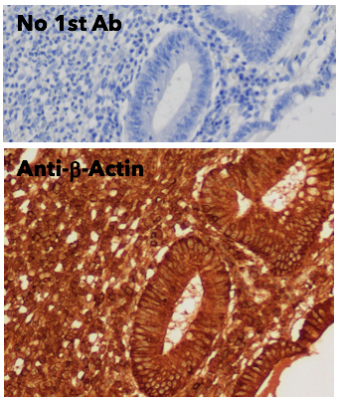
Immunofluorescence – anti-beta-Actin Ab at 1/100 dilution in NHI/3T3 cells; cells were fixed with methanol and permeabilized with 0.1% saponin;



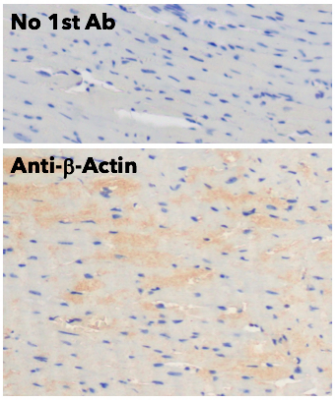
IHC of human lymph node using anti-b-Actin antibody and FFPE tissue after heat-induced antigen retrieval. Anti-b-Actin Ab at 1:500/DAB detection;



Immunofluorescence – anti-beta-Actin Ab at 1/100 dilution in NHI/3T3 cells; cells were fixed with methanol and permeabilized with 0.1% saponin;



IHC of human appendix using anti-b-Actin antibody and FFPE tissue after heat-induced antigen retrieval. Anti-b-Actin Ab at 1:500/DAB detection;



IHC of human mouse heart using anti-b-Actin antibody and FFPE tissue after heat-induced antigen retrieval. Anti-b-Actin Ab at 1:500/DAB detection;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.