

Datasheet for ABIN654127
anti-beta Actin antibody



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Overview

Quantity:	400 µL
Target:	beta Actin (ACTB)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta Actin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This ACTB antibody is generated from rabbits immunized with a recombinant protein from human ACTB.
Clone:	RB23152
Isotype:	Ig Fraction
Specificity:	This ACTB antibody is generated from rabbits immunized with a recombinant protein from human ACTB.
Predicted Reactivity:	Cow (Bovine),Chicken,Mouse (Murine),Pig (Porcine),Monkey,Rat (Rattus),Xenopus laevis
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	beta Actin (ACTB)
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Target Details

Alternative Name:	ACTB (ACTB Products)
Background:	<p>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.</p> <p>Synonyms: Actin, cytoplasmic 1,ACTB,</p>
Molecular Weight:	41737 DA
Gene ID:	60
NCBI Accession:	NP_001092
UniProt:	P60709
Pathways:	Myometrial Relaxation and Contraction , Cell-Cell Junction Organization , Maintenance of Protein Location , Phototransduction

Application Details

Application Notes:	WB = 1:1000, IHC (p) = 1:50-100, FACS = 1:10-50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	PBS with 0.09 % (W/V) 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:	4 °C/-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

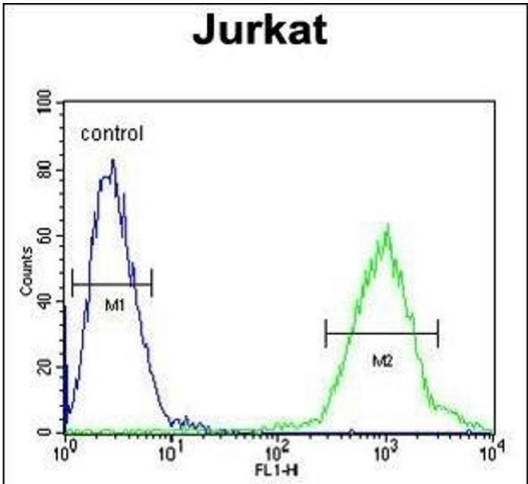
Publications

Product cited in:	Liu, Peng, Zhong, Liu, Song, Wang: "Effect of 5-caffeoylquinic acid on the NF- κ B signaling
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pathway, peroxisome proliferator-activated receptor gamma 2, and macrophage infiltration in high-fat diet-fed Sprague-Dawley rat adipose tissue." in: **Food & function**, Vol. 6, Issue 8, pp. 2779-86, (2015) ([PubMed](#)).

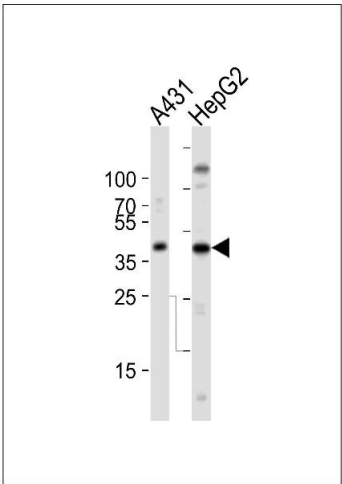
Shrestha, Mousa, Heintz: "Layer 2/3 pyramidal cells in the medial prefrontal cortex moderate stress induced depressive behaviors." in: **eLife**, Vol. 4, (2015) ([PubMed](#)).

Images



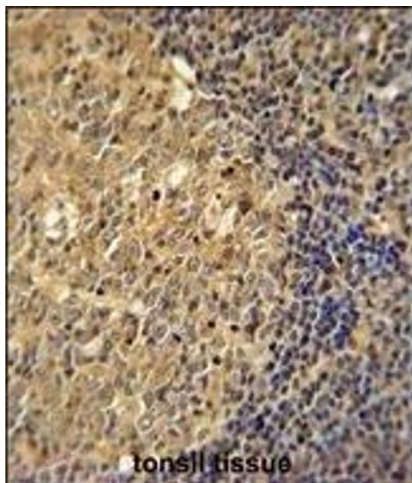
Flow Cytometry

Image 1. ACTB Antibody flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of lysates from A431, HepG2 cell line (from left to right), using ACTB Antibody . was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. ACTB Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ACTB Antibody for immunohistochemistry. Clinical relevance has not been evaluated.