

β-actin Mouse Monoclonal Antibody

Catalog No: #38074

Package Size: #38074 100ul

Description

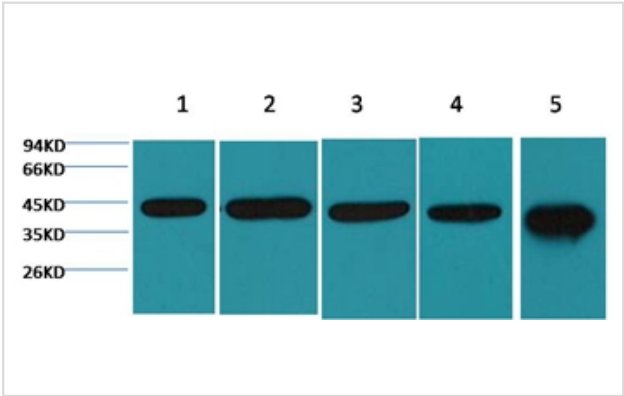
Product Name	β-actin Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	5B7
Purification	Affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Hu Rt Ms Mk Dg Chk Hm Rb Pg Sh
Specificity	Antibody detects endogenous β-actin protein.
Conjugates	Unconjugated
Target Name	β-actin
Other Names	ACTB; BRWS1; PS1TP5BP1
Accession No.	Swiss-Prot#:P60709
SDS-PAGE MW	45kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

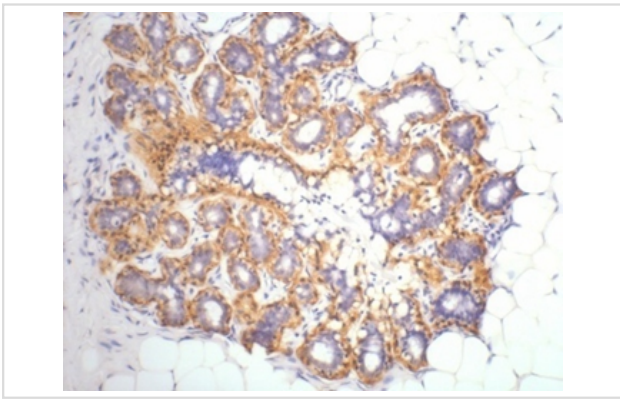
Western blotting: 1:5000~1:10000

Immunohistochemistry: 1:200

Images



Western blot analysis of 1) 293T ,2) Mouse Kidney tissue, 3) Hela, 4) Rat Heart tissue, 5) Rat Brain tissue, using #38074 diluted at 1:5,000.



IHC staining of Human ovary tissue with β -Actin mouse mAb(5B7) diluted at 1:200.

Background

β -actin is one of six different actin isoforms that have been identified. The actin molecules found in cells of various species and tissues tend to be very similar in their immunological and physical properties. Therefore, antibodies against β -actin are useful as loading controls for Western Blotting. However it should be noted that levels of β -actin may not be stable in certain cells. For example, expression of β -actin in adipose tissue is very low and therefore β -actin should not be used as loading control for these tissues.

Published Papers

el at., Gut-Flora-Dependent Metabolite Trimethylamine-N-Oxide Promotes Atherosclerosis-Associated Inflammation Responses by Indirect ROS Stimulation and Signaling Involving AMPK and SIRT1. In *Nutrients* on 2022 Aug 15 by Sa Zhou, Jiamin Xue, et al..PMID:36014845, , (2022)
[PMID:36014845](#)

el at., Novel oxcam nonsteroidal compound XK01 attenuates inflammation by suppressing the NF- κ B and MAPK pathway in RAW264.7 macrophages. In *Heliyon* on 2024 Jan 9 by Jixiang Wang, Jiawang Tan,et al..PMID:38312593, , (2024)
[PMID:38312593](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.