

# β-Actin Mouse Monoclonal Antibody

Catalog No: #21800

Package Size: #21800-1 50ul #21800-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	β-Actin Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Isotype	IgG1,Kappa
Applications	WB IHC IF
Species Reactivity	Hu Rt Ms Mk D Ch Hm Rb
Immunogen Type	Recombinant Protein
Immunogen Description	Full-length β-Actin protein of human
Conjugates	Unconjugated
Target Name	β-Actin
Other Names	ACTB; actin, beta; Actin, cytoplasmic 1; Actin, cytoplasmic 1, N-terminally processed; beta actin; beta cytoskeletal actin; Beta-actin; PS1TP5-binding protein 1; PS1TP5BP1
SDS-PAGE MW	43KD
Concentration	1mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

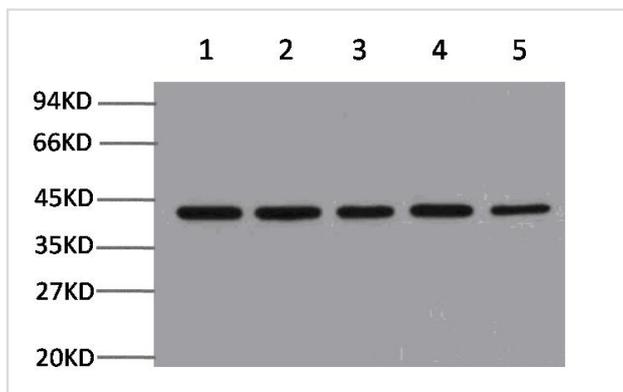
## Application Details

Western blotting: 1:3000-1:10000

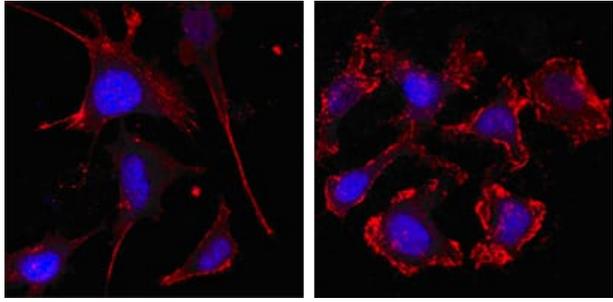
Immunohistochemistry: 1:200

Immunofluorescence: 1:200

## Images



Western blot analysis of HeLa (1) , Rat brain (2) ,Mouse brain (3) ,Chicken lung (4) and Rabbit testis (5)with β-Actin mouse mAb.



Confocal Immunofluorescence analysis of SKBR-3 (left) and A549 (right) cells using beta Actin mouse mAb.

## Background

$\beta$ -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  $\beta$ -Actin are useful as loading controls for Western Blotting. However it should be noted that levels of  $\beta$ -Actin may not be stable in certain cells. For example, expression of  $\beta$ -Actin in adipose tissue is very low and therefore it should not be used as loading control for these tissues.

## Published Papers

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- el at., Circular RNA CDR1as promotes adipogenic and suppresses osteogenic differentiation of BMSCs in steroid-induced osteonecrosis of the femoral head. In *Bone* on 2020 Apr by Chen G, Wang Q, et al..PMID:32018039, , (2020)  
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PMID:

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