

β -actin Mouse Monoclonal Antibody

Catalog No: #38074

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Description

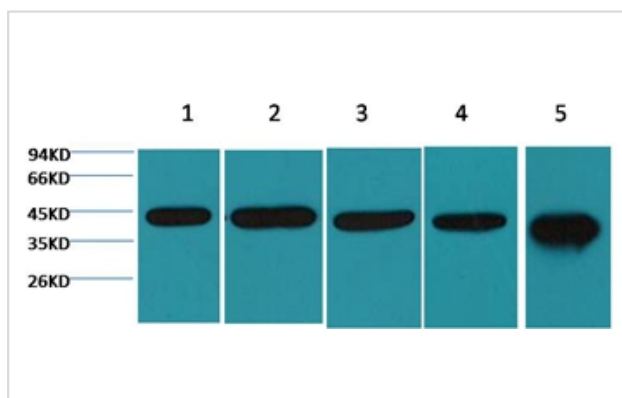
Product Name	β -actin Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	5B7
Purification	Affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Hu Rt Ms Mk Dg Chk Hm Rb Pg Sh
Specificity	Antibody detects endogenous β -actin protein.
Target Name	β -actin
Other Names	ACTB; BRWS1; PS1TP5BP1
Accession No.	Swiss-Prot#:P60709
Uniprot	P60709
GeneID	60;
SDS-PAGE MW	45kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

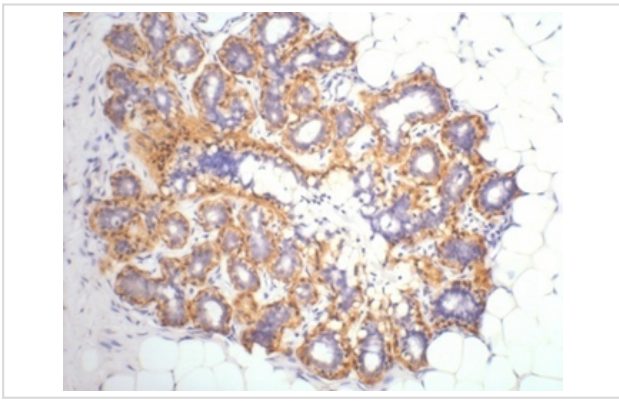
Western blotting: 1:5000~1:10000

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.

Note: This product is for in vitro research use only