



# ELK Biotechnology

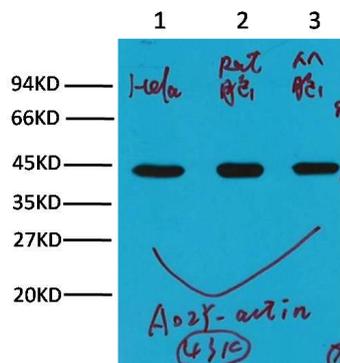
**$\beta$  -actin Mouse mAb**  
**Catalog NO.: EM1031**  
**For research use only.**

## Overview

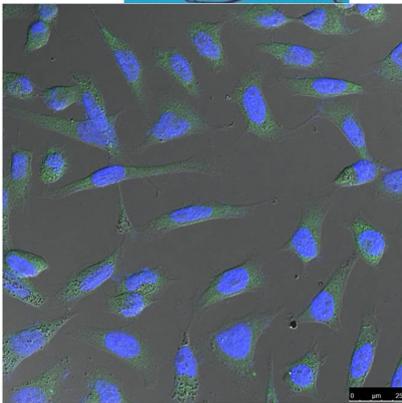
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Product name	$\beta$ -actin Mouse Monoclonal antibody
Source	Mouse
Applications	<b>WB IHC IF</b>
Species reactivity	<b>Human Rat Mouse Monkey Dog Chicken Hamster Rabbit Pig Sheep</b>
Recommended dilutions	<b>WesternBlot:1/5000-10000</b> <b>Immunohistochemistry:1/200</b> <b>Immunofluorescence:1/200</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	<b>43kDa</b>
GeneID (Human)	60
Human Swiss-Prot No.	P60709
Cellular localization	CytoplasmCytoskeleton
Alternative Names	actin antibody b-actin antibody beta-actin antibody
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  $\beta$ -actin should not be used as loading control for these tissues.



Western blot analysis of Hela (1) Rat brain (2) Mouse brain(3) with  $\beta$ -actin mouse mAb(A02) diluted at:10000.



IF analysis of Hela with EM1031 diluted at:500.