



# β-Actin Monoclonal Antibody

# A01010



## Product Information

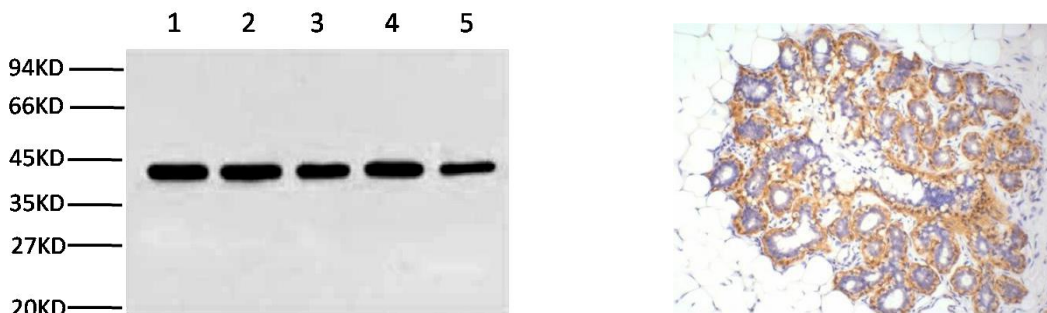
	<b>Product Name:</b> Anti-β-Actin Mouse Monoclonal Antibody (1C7)		
	<b>Applications:</b> WB, IF, IHC		<b>Isotype:</b> Mouse IgG1
	<b>Reactivity:</b> Human, Rat, Mouse, Monkey, Dog, Chicken, Hamster, Rabbit, Pig, Sheep.		
<b>REF</b>	<b>Catalog Number:</b> A01010	<b>LOT</b>	<b>Lot Number:</b> Refer to vial
	<b>Formulation:</b> Liquid with 1mg/mL		<b>Size:</b> 50ul/200ul/1ml/10ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**Background:** β-Actin (gene name ACTB), a ubiquitous eukaryotic protein, is the major component of the cytoskeleton. At least six isoforms are known in mammals. Actins are highly conserved proteins that are involved in cell motility, structure and integrity. β-actin is a major constituent of the contractile apparatus, which is usually used as a loading control, for among others, the integrity of cells, protein degradation, in PCR and Western blotting. Its molecular weight is approximately 43 kDa.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1,000-1:10,000), IF (1:100-1:800) and IHC (1:100-1:800).

**Storage Buffer:** PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% glycerol as stabilizer.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



**Fig. 1.** WB analysis (1:10,000) of β-Actin expression in Rat brain (line 1), HeLa cell lysate (line 2), Mouse brain (line 3), Chicken lung (line 4) and Rabbit testis (line 5) with Anti-β-Actin mouse monoclonal antibody (1C7).

**Fig. 2.** IHC staining (1:200) of β-Actin in Human ovary tissue.

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