

# Anti- $\beta$ -Actin

Cat. # Y1050, Y1051

<b>Also Known as:</b>	Anti- $\beta$ -Actin (BA3R) Loading Control Mouse Monoclonal Antibody
<b>Isotype:</b>	Mouse IgG2b
<b>Clone</b>	BA3R
<b>MW:</b>	~55/25 kDa
<b>Species:</b>	Human
<b>Immunogen:</b>	$\beta$ -Actin N-terminal peptide-KLH conjugates
<b>Concentration:</b>	1 $\mu$ g/ $\mu$ l
<b>Stock Buffer:</b>	10 mM PBS (pH 7.2), 10% Glycerol, 0.09% NaN <sub>3</sub> (sodium azide)
<b>Specificity:</b>	Recognizes native and denatured forms of $\beta$ -Actin (~42kDa)
<b>Purification:</b>	Protein A affinity chromatography from mouse ascites fluid
<b>Applications:</b>	Dot, ELISA, IP, IS, WB
<b>Cross Reactivity:</b>	$\beta$ -Actin from human, mouse, rat, rabbit, and chicken. $\beta$ -Actin from other species may also be detectable
<b>Quality Assurance:</b>	Guaranteed for detecting endogenous $\beta$ -Actin in 20 $\mu$ g cell or tissue lysates
<b>Working Conditions:</b>	WB (with ECL): 1:1000-5000 dilution For best results with other assays (e.g.: Dot, ELISA, IS, etc), please determine optimal working dilution by titration test

**Image:**

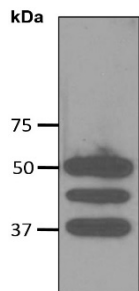


Figure 1. Three loading control mAbs reacting against 10  $\mu$ g/lane of mouse brain tissue lysates. 50 kDa band is Anti- $\beta$ -Tubulin (BT7R) at 1:2000 dilution (0.5  $\mu$ g/ml); 42 kDa band is Anti- $\beta$ -Actin (BA3R) at 1:1000 dilution (1  $\mu$ g/ml); 37 kDa band is Anti-GAPDH (GA1R) at 1:5000 dilution (0.2  $\mu$ g/ml)

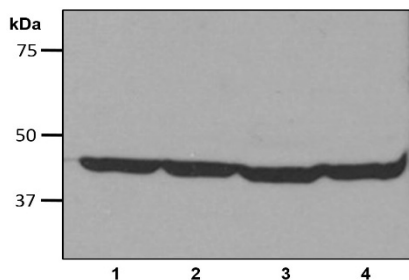


Figure 2. 1:1000 (1  $\mu$ g/ml) Ab dilution used in WB of 20  $\mu$ g/lane tissue lysates from human (1), mouse (2), rat (3), and rabbit (4)

**Storage:** Store at -20°C. Centrifuge after first thaw to maximize product recovery. Aliquot to avoid repeated freeze-thaw cycles.

**Note:** N/A

