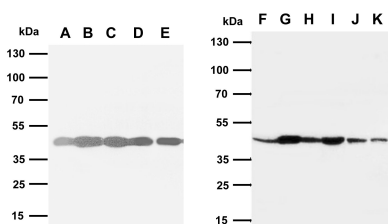


## Mouse monoclonal antibody to beta Actin [AC-15]: IgG

<b>Catalogue No.:</b>	M-1613-100
<b>Description:</b>	Actins are highly conserved proteins ubiquitously expressed in all eukaryotic cells. Three main groups of actin isoforms have been identified in vertebrates; alpha, beta and gamma. Beta actins coexist with gamma actins in most cell types as components of the cytoskeleton and as mediators of internal cell motility.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A modified synthetic peptide (C-DDDIAALVIDNGSGK) corresponding to the N-terminus of beta Actin conjugated to KLH.
<b>Antigen Location:</b>	N-terminus
<b>Antibody Type:</b>	Monoclonal
<b>Isotype:</b>	IgG1
<b>Clone:</b>	AC-15
<b>Other Names:</b>	ACTB; AX; actin; Actx;
<b>Accession:</b>	P60709 ACTB_HUMAN
<b>Produced in:</b>	Mouse
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.25-0.5 ug/mL is recommended for WB. Human beta actin has a predicted length of 375 residues and the MW of the monomer is 42 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect beta actin in formalin fixed and paraffin embedded tissues as well as formalin/acetone fixed tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Cross-reactivity:</b>	Human; mouse; rat;
<b>Form:</b>	Lyophilized from 1.2% sodium acetate, 2 mg BSA, 0.01 mg NaN <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2 - 8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase.



Western blot analysis of beta-actin expression in cell lysates and tissue homogenates. A: rat ovary; B: rat testis; C: rat cardiac muscle; D: rat brain; E: A453 cells; F: rat liver; G: rat spleen; H: rat brain; I: rat kidney; J: HELA cells; K: SMMC cells

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