

Mouse monoclonal antibody to beta Actin [AC-2]: IgG

Catalogue No.:	M-997-100
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. 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.
Replaced by:	M-1613-100
Batch No.:	See product label
Unit size:	100 µg
Antigen:	A modified synthetic peptide (C-DDIALVIDNGSGK) corresponding to the N-terminus of beta Actin conjugated to KLH. This antibody reacts only with beta actin and not with alpha and gamma actins.
Clone:	AC-2
Other Names:	ACTB; AX; actin; Actx;
Accession:	P60709 ACTB_HUMAN
Produced in:	Mouse
Purity:	IgG
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.5-1.0 µg/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 0.2-0.5 µg/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.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; mouse; rat;
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN3
Reconstitution:	Reconstitute in 1 ml of PBS (pH 7.4) to achieve an antibody concentration of 100 µg/ml. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2 - 4°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase.

FOR RESEARCH USE ONLY