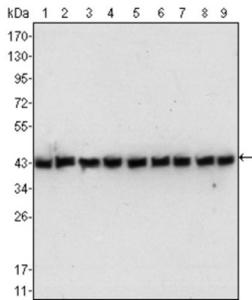
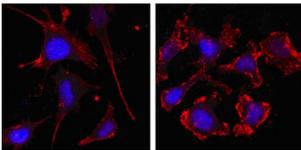


## Beta Actin (ACTB) Antibody

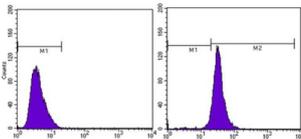
Catalogue No.: abx010457



Western blot analysis of (1) NIH/3T3, (2) Jurkat, (3) HeLa, (4) CHO, (5) PC12, (6) HEK293, (7) COS, (8) A549, and (9) MCF-7 cell lysates.



Confocal immunofluorescence analysis of SKBR-3 (left) and A549 (right) cells using beta Actin antibody and Cy3-conjugated Goat anti-Mouse IgG secondary antibody (red). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of MCF-7 cells using beta Actin antibody (right) and negative control (left).

Beta actin (PS1TP5-binding protein 1), also known as ACTB, PS1TP5BP1, is one of six different actin proteins. Actin, a ubiquitous eukaryotic protein, is the major component of the cytoskeleton. Actins are highly conserved proteins that are involved in various types of cell motility, structure, and integrity. Actin is ubiquitously expressed in all eukaryotic cells. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins.

<b>Target:</b>	Beta Actin (ACTB)
<b>Clonality:</b>	Monoclonal
<b>Reactivity:</b>	Human, Mouse, Rat, Monkey, Hamster
<b>Tested Applications:</b>	ELISA, WB, IF/ICC, FCM
<b>Host:</b>	Mouse

**Recommended dilutions:** ELISA: 1/10000, WB: 1/500 - 1/2000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.

# Datasheet

Version: 6.0.0  
Revision date: 03 Jul 2025



<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Synthetic peptide corresponding to amino-terminal residues of human beta-Actin, conjugated to KLH.
<b>Isotype:</b>	IgG <sub>2b</sub>
<b>Form:</b>	Liquid
<b>Purification:</b>	Unpurified ascites.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P60709 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	ACTB
<b>GeneID:</b>	<a href="#">60</a>
<b>HGNC:</b>	132
<b>KEGG:</b>	hsa:60
<b>Ensembl:</b>	ENSG00000075624
<b>String:</b>	<a href="#">9606.ENSP00000349960</a>
<b>Molecular Weight:</b>	43 kDa
<b>Buffer:</b>	Ascitic fluid containing 0.03% sodium azide.
<b>Concentration:</b>	Not determined.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.