

Mouse beta-actin Monoclonal Antibody | anti-ACTB antibody

beta-actin Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA300776	Mouse	Human, Rat, Mouse, Monkey, Dog, Chicken, Hamster, Rabbit, Pig, Sheep	Immunofluorescence, Immunohistochemistry, Western Blot

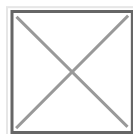
PRODUCT SYNONYMS

beta-actin; Monoclonal Antibody; beta-actin Mouse Monoclonal Antibody; b-actin Mouse Monoclonal Antibody; ACTB; BRWS1; PS1TP5BP1; anti-ACTB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Mouse, Monkey, Dog, Chicken, Hamster, Rabbit, Pig, Sheep
Clonality	Monoclonal
Clone Number	5B7
Specificity	Antibody detects endogenous b-actin protein.
Purity/Purification	Affinity purification using immunogen.
Form/Format	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	375
Applicable Applications for anti-ACTB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Target Name	b-actin
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

IHC staining of Human ovary tissue with b-Actin mouse mAb(5B7) diluted at 1:200.



WB (Western Blot)

Western blot analysis of 1) 293T, 2) Mouse Kidney tissue, 3) HeLa, 4) Rat Heart tissue, 5) Rat Brain tissue, using diluted at 1:5,000.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTB antibody	b-actin is one of six different actin isoforms that have been identified. The actin molecules found in cells of various species and tissues tend to be very similar in their immunological and physical properties. Therefore, antibodies against b-actin are useful as loading controls for Western Blotting. However it should be noted that levels of b-actin may not be stable in certain cells. For example, expression of b-actin in adipose tissue is very low and therefore b-actin should not be used as loading control for these tissues.
Product Categories/Family for anti-ACTB antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501885
NCBI GeneID	60
NCBI Accession #	NP_001092.1
NCBI GenBank Nucleotide #	NM_001101.3
UniProt Accession #	P60709; P02570; P70514; P99021; Q11211; Q64316; Q75MN2; Q96B34; Q96HG5
Molecular Weight	41,737 Da
NCBI Official Full Name	actin, cytoplasmic 1
NCBI Official Synonym Full Names	actin, beta
NCBI Official Symbol	ACTB
NCBI Official Synonym Symbols	BRWS1; PS1TP5BP1
NCBI Protein Information	actin, cytoplasmic 1
UniProt Protein Name	Actin, cytoplasmic 1
UniProt Gene Name	ACTB
UniProt Entry Name	ACTB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/beta-actin-antibody-clone-5b7-immunofluorescence-immunohistochemistry-western-blot-elisa/300776>