Mouse beta-actin Monoclonal Antibody | anti-ACTB antibody

beta-actin Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA276778	**Mouse**	**Human, Rat, Mouse, Monkey, Dog, Chicken, Hamster, Rabbit, Pig, Sheep**	**Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

beta-actin; Monoclonal Antibody; beta-actin Mouse mAb; actin antibody; b-actin antibody; beta-actin antibody; anti-ACTB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Mouse, Monkey, Dog, Chicken, Hamster, Rabbit, Pig, Sheep
Clonality	Monoclonal
Isotype	IgG1
Form/Format	PBS with 0.02% sodium azide and 50% glycerol pH7.4.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ACTB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Synthetic Peptide
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze-thaw cycles.

IMAGES

IF (Immunofluorescence)
IF analysis of Hela with EM1031 diluted at 1:500.

WB (Western Blot)
Western blot analysis of Hela (1), Rat brain (2), Mouse brain (3), with beta-actin mouse mAb (A02) diluted at 1:10,000.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTB antibody	beta-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 beta-actin are useful as loading controls for Western Blotting. However it should be noted that levels of beta-actin may not be stable in certain cells. For example, expression of beta-actin in adipose tissue is very low and therefore beta-actin should not be used as loading control for these tissues.
Product Categories/Family for anti-ACTB antibody	Cytoplasm; Cytoskeleton

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	375
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; beta cytoskeletal actin; PS1TP5-binding protein 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-immunofluorescence-immunohistochemistry-western-blot-elisa/276778