

Mouse anti-Human beta-Actin Monoclonal Antibody | anti-ACTB antibody

Human beta-Actin antibody

CATALOG # AAA48358	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

beta-Actin; Monoclonal Antibody; Human beta-Actin antibody; Actin; cytoplasmic 1; Beta-actin; anti-ACTB antibody

PRODUCT SPECIFICATIONS

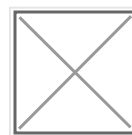
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	AT4G6
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In Phosphate-Buffered Saline (pH7.4) with 0.02% Sodium Azide, 10% glycerol
Concentration	0.2mg/ml (determined by BCA assay) (varies by lot)
Applicable Applications for anti-ACTB antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human ACTB (1-375aa) purified from E Coli
Conjugation	Unconjugated
Preparation and Storage	Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)

The HeLa cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ACTB antibody. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: ACTB antibody 1:1000 Lane 2.: ACTB antibody 1:3000 Lane 3.: ACTB antibody 1:5000 Lane 4.: ACTB antibody 1:10000



WB (Western Blot)

The mouse tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ACTB antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Kidney tissue lysate Lane 2.: Liver tissue lysate Lane 3.: Spleen tissue lysate Lane 4.: Bone marrow tissue lysate Lane 5.: Stomach tissue lysate



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ACTB antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: Jurkat cell lysate Lane 3.: PC3 cell lysate Lane 4.: HepG2 cell lysate Lane 5.: MCF7 cell lysate Lane 6.: U87-MG cell lysate Lane 7.: NIH-3T3 cell lysate



IF (Immunofluorescence)

ICC/IF analysis of ACTB in HeLa cells. The cell was stained with ATGA0570 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-ACTB antibody	Beta-actin (human gene and protein symbol ACTB/ACTB) is one of six different actin isoforms which have been identified in humans. This is one of the two nonmuscle cytoskeletal actins. Actins are highly conserved proteins that are involved in cell motility, structure and integrity. Alpha actins are a major constituent of the contractile apparatus.
Product Categories/Family for anti-ACTB antibody	Cancer ; Antibodies
References	Gunning PW., et al. (2015) Journal of Cell Science. 128(11): 2009-2019. Hanukoglu I., et al. (1983) Journal of Molecular Biology. 163(4): 673-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501885
NCBI GeneID	60
NCBI Accession #	NP_001092
NCBI GenBank Nucleotide #	NM_001101.4
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-at4g6-immunofluorescence-immunocytochemistry-western-blot-elisa/48358>