

Mouse Beta-actin Monoclonal Antibody | anti-ACTB antibody

Anti-Beta-actin Antibody

CATALOG # AAA263922	HOST Mouse	REACTIVITY Human, Mouse, Rat, Chicken, Dog, Monkey, Rabbit, Insect	APPLICATIONS Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

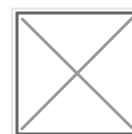
Host	Mouse
Reactivity	Human, Mouse, Rat, Chicken, Dog, Monkey, Rabbit, Insect
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of Beta-actin protein.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 0.2% BSA, 30% glycerol, and 0.01% sodium azide.
Sequence Length	375
Applicable Applications for anti-ACTB antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein corresponding to human Beta-actin.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



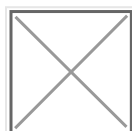
IF (Immunofluorescence)

Immunofluorescent analysis of Beta-actin staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of Beta-actin staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of Beta-actin expression in Jurkat (A), MCF7 (B), NIH3T3 (C), mouse brain (D), rat brain (E), COS7 (F) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTB antibody	Mouse monoclonal antibody to Beta-actin
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501885
NCBI GeneID	60
NCBI Accession #	NP_001092.1
NCBI GenBank Nucleotide #	NP_001092.1
UniProt Accession #	P60709; P60710; P60711
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.