

Rabbit Beta-Actin Polyclonal Antibody | anti-ACTB antibody

Beta-Actin Polyclonal Antibody

CATALOG # AAA47879	HOST Rabbit	APPLICATIONS Immunofluorescence, Immunoblot, Western Blot
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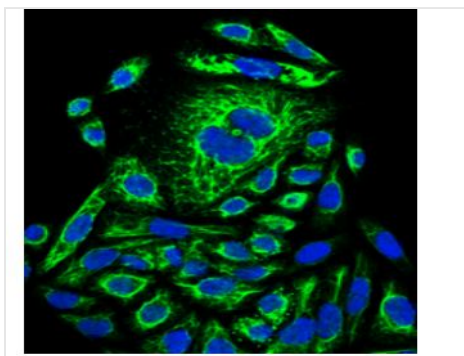
PRODUCT SYNONYMS

Beta-Actin; Polyclonal Antibody; Beta-Actin Polyclonal Antibody; anti-ACTB antibody

PRODUCT SPECIFICATIONS

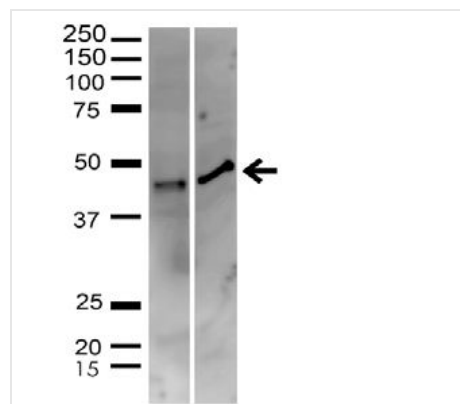
Host	Rabbit
Clonality	Polyclonal
Specificity	This antibody recognizes human beta-actin.
Form/Format	100ug (1mg/ml) peptide affinity-purified antibody in PBS, pH 7.4, 50% glycerol, 0.09% sodium azide.
Sequence Length	375
Applicable Applications for anti-ACTB antibody	IF (Immunofluorescence), IB (Immunoblot)
Immunogen	Synthetic peptide corresponding to mid-protein amino acids of human beta-actin.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C.

IMAGES



Application Data

Detection of beta-actin in HeLa cells at 10ug/ml. DAPI (blue) nuclear stain and FITC (green) beta-actin stain.



Application Data

Detection of beta-actin in HeLa cell lysate (left) and 293T cell lysate (right) at 1ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTB antibody

Actins are essential components of the cytoskeleton with critical roles in a wide range of cellular processes including cell migration, cell division, and the regulation of gene expression. Beta-actin, product of the *Actb* gene, is one of six different actin isoforms and is one of the two nonmuscle cytoplasmic actins (gamma-actin is the other); both are ubiquitously expressed and highly conserved from birds to mammals. Mutations in the *Actb* gene have been associated with diffuse large B-cell lymphoma. Beta-actin (molecular weight ~42kDa) is often used as a loading control in Western blots.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501885
NCBI GeneID	60
NCBI Accession #	NP_001092.1
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

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/polyclonal/beta-actin-antibody-immunofluorescence-immunoblot-elisa/47879>