

Rabbit Actin Beta Polyclonal Antibody | anti-ACTB antibody

Rabbit anti Actin Beta

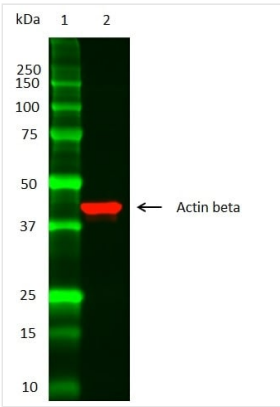
CATALOG # AAA50289	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

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

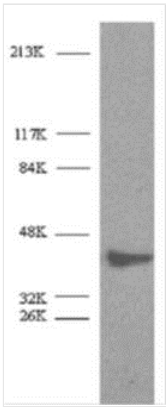
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Purified by affinity chromatography
Form/Format	Liquid in phosphate buffered saline with 0.1% sodium azide (NaN ₃), 0.2% gelatin.
Concentration	0.2 mg/ml (varies by lot)
Sequence Length	375
Applicable Applications for anti-ACTB antibody	WB (Western Blot)
Immunogen	Peptide mapping to the terminal domain of human actin beta
Preperation	Antiserum to actin beta was raised by repeated immunisation of rabbits with highly purified antigen
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of despatch



SDS-PAGE

HEK293 (lane 2) cell lysate was run under reducing conditions on SDS PAGE and transferred to a PVDF membrane. Precision Plus Protein™ Prestained Standards were run in lane 1. Rabbit anti catenin beta was used as the primary antibody at a dilution of 1/400 in lane 2. As secondary detection reagent HRP conjugated goat anti rabbit IgG was used at 1/10,000. Visualization was carried out using the ChemiDoc™ MP Imaging System with automatic exposure



WB (Western Blot)

Western blotting analysis of A431 whole cell lysate probed with Rabbit anti actin beta

ADDITIONAL INFORMATION

Related Product Information for anti-ACTB antibody	Rabbit anti actin beta antibody recognizes the product of the ACTB gene, cytoplasmic actin beta, also known as actin cytoplasmic and beta actin1. Actin beta is ubiquitously expressed in all eukaryotic cells, playing a critical role in cell survival, motility and re-modeling. Actin beta is highly conserved throughout evolution, with all vertebrate and invertebrate species reviewed to date bearing a 98% or greater amino acid primary sequence identity to human actin beta. Plant species also exhibit a high degree of primary sequence conservation displaying considerable similarity to animal actin beta. For example, nearly 90% sequence identity is observed between human ACTB and the model plant species Arabidopsis thaliana (mouse eared cress) ACT1 (Arabidopsis) gene products. Actin beta is a commonly used western blotting loading control.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46397333
NCBI GeneID	60
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.