

Rabbit beta ACTIN Polyclonal Antibody | anti-ACTB antibody

beta ACTIN Polyclonal Antibody

CATALOG # AAA22143	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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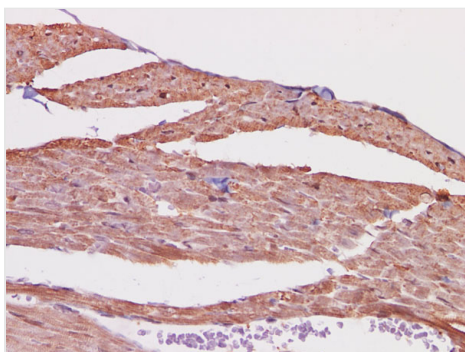
PRODUCT SYNONYMS

beta ACTIN; Polyclonal Antibody; beta ACTIN Polyclonal Antibody; A26C1A; A26C1B; ACTB; Actin beta; Actin cytoplasmic 1; Actin; Cytoplasmic 1; N-terminally processed; Actx; B actin; Beta cytoskeletal actin; Beta-actin; BRWS1; E430023M04Rik; MGC128179; PS1TP5 binding protein 1; PS1TP5BP1; anti-ACTB antibody

PRODUCT SPECIFICATIONS

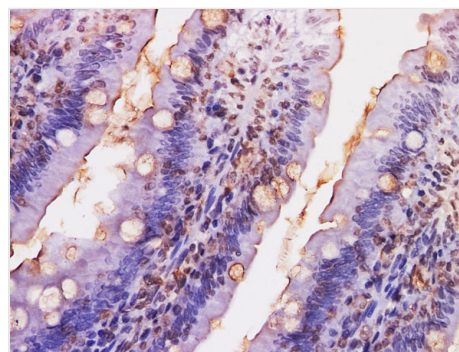
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% Proclin300, 50% glycerol, pH7.3.
Sequence Length	375
Applicable Applications for anti-ACTB antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:3000-1:30000 IHC: 1:100-1:300
Immunogen	Recombinant Zebrafish Actin, cytoplasmic 2 protein
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



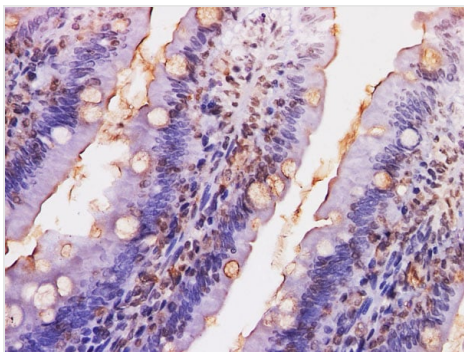
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat heart using beta actin Polyclonal Antibody at dilution of 1:200



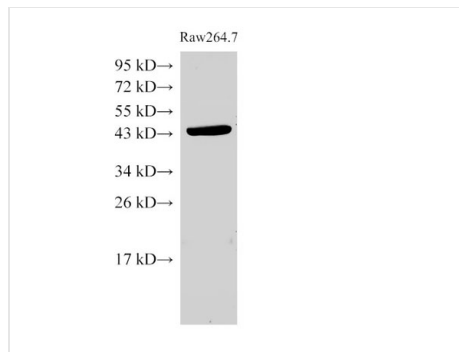
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat small intestine using beta actin Polyclonal Antibody at dilution of 1:200



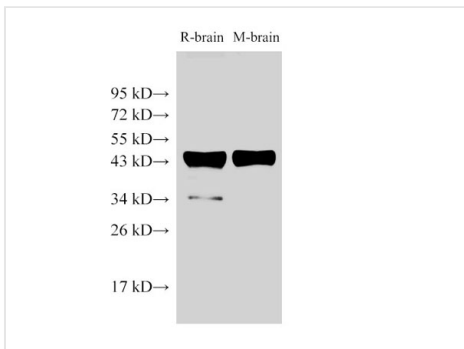
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat small intestine using beta actin Polyclonal Antibody at dilution of 1:200



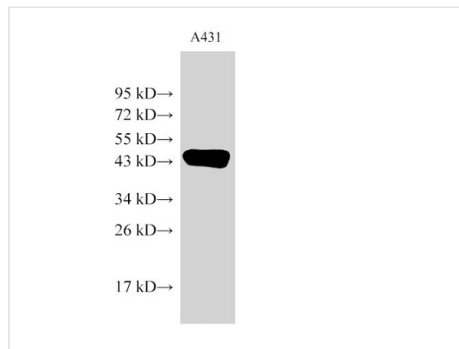
WB (Western Blot)

Western Blot analysis of Raw264.7 cells using beta actin Polyclonal Antibody at dilution of 1:2000



WB (Western Blot)

Western Blot analysis of Rat brain and Mouse brain using beta actin Polyclonal Antibody at dilution of 1:2000



WB (Western Blot)

Western Blot analysis of A431 cells using beta actin Polyclonal Antibody at dilution of 1:2000

ADDITIONAL INFORMATION

Related Product Information for anti-ACTB antibody

Beta actin, also named as ACTB and F-Actin, belongs to the actin family. Actins are highly conserved globular proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. At least six isoforms of actins are known in mammals and other vertebrates: alpha (ACTC1, cardiac muscle 1), alpha 1 (ACTA1, skeletal muscle) and 2 (ACTA2, aortic smooth muscle), beta (ACTB), gamma 1 (ACTG1) and 2 (ACTG2, enteric smooth muscle). Beta and gamma 1 are two non-muscle actin proteins. Most actins consist of 376aa, while ACTG2 (rich in muscles) has 375aa and ACTG1(found in non-muscle cells) has only 374aa. Beta actin has been widely used as the internal control in RT-PCR and Western Blotting as a 42-kDa protein. However, the 41 kDa cleaved fragment of beta actin can be generated during apoptosis process. This antibody can recognize all the actins.

Product Categories/Family for anti-ACTB antibody

Cancer; Signal Transduction; Tags and Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	449310793
NCBI GeneID	57935
NCBI Accession #	NP_853632.3
NCBI GenBank Nucleotide #	NP_853632.3
UniProt Accession #	Q7ZVF9
Molecular Weight	Calculated: 41 kDa Observed: 41 kDa
NCBI Official Full Name	actin, cytoplasmic 2
UniProt Protein Name	Actin, cytoplasmic 2

UniProt Gene Name	actbb
UniProt Synonym Gene Names	bactin2

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-western-blot-immunohistochemistry-elisa/22143>