

Rabbit Actin (ACTB/ACTC) Polyclonal Antibody | anti-ACTC1 antibody

Actin (ACTB/ACTC) Antibody (Center)

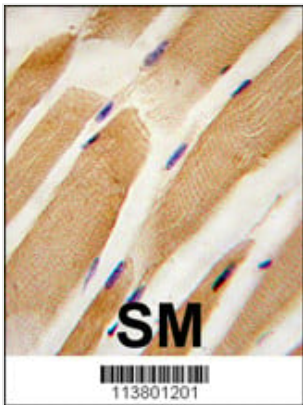
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289697	Rabbit	Human (Predicted Reactivity: C Elegans, Drosophila, Xenopus, Chicken, Bovine, Mouse, Rabbit, Rat, Zebrafish, Hamster, Monkey, Pig, Yeast)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

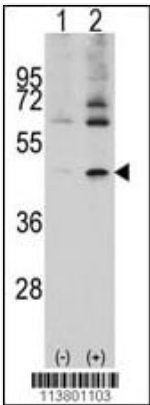
Actin (ACTB/ACTC); Polyclonal Antibody; Actin (ACTB/ACTC) Antibody (Center); Actin; alpha cardiac muscle 1; Alpha-cardiac actin; ACTC1; ACTC; anti-ACTC1 antibody

PRODUCT SPECIFICATIONS

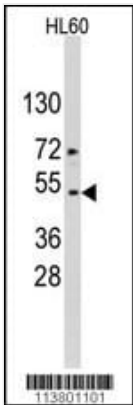
Host	Rabbit
Reactivity	Human (Predicted Reactivity: C Elegans, Drosophila, Xenopus, Chicken, Bovine, Mouse, Rabbit, Rat, Zebrafish, Hamster, Monkey, Pig, Yeast)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Actin (ACTB/ACTC) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 189-218 amino acids from the Central region of human Actin (ACTB/ACTC).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	189-218
Sequence Length	377
Applicable Applications for anti-ACTC1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with ACTB/ACTC antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ACTB/ACTC (arrow) using rabbit polyclonal ACTB/ACTC Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ACTB/ACTC gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of ACTB/ACTC Antibody (Center) in HL60 cell line lysates (35ug/lane). Target protein (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ACTC1 antibody	Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. ACTB/ACTC are nonmuscle cytoskeletal actins and major constituents of the contractile apparatus. Defects in ACTB are a cause of juvenile-onset dystonia. Defects in ACTC have been associated with idiopathic dilated cardiomyopathy (IDC) and familial hypertrophic cardiomyopathy (FHC).
Product Categories/Family for anti-ACTC1 antibody	Cancer; Cardiovascular; Signal transduction
References	Villebeck,L., Biochemistry 46 (44), 12639-12647 (2007) Avizienyte,E., Exp. Cell Res. 313 (15), 3175-3188 (2007) Bouldin,A.A., Muscle Nerve 35 (2), 254-258 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885049
NCBI GeneID	70
NCBI Accession #	NP_005150.1
NCBI GenBank Nucleotide #	NM_005159.4
UniProt Accession #	P68032; P04270

Molecular Weight	42019
NCBI Official Full Name	actin, alpha cardiac muscle 1 proprotein
NCBI Official Synonym Full Names	actin, alpha, cardiac muscle 1
NCBI Official Symbol	ACTC1
NCBI Official Synonym Symbols	ACTC; ASD5; CMD1R; CMH11; LVNC4
NCBI Protein Information	actin, alpha cardiac muscle 1
UniProt Protein Name	Actin, alpha cardiac muscle 1
UniProt Gene Name	ACTC1
UniProt Synonym Gene Names	ACTC
UniProt Entry Name	ACTC_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://www.aaabiotech.com/polyclonal/actin-actb-actc-antibody-immunohistochemistry-western-blot-elisa/289697>