

Datasheet for ABIN224333  
**anti-ACTC1 antibody (N-Term)**

## 1 Publication

[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	ACTC1
Binding Specificity:	N-Term
Reactivity:	Human, Rabbit, Chicken, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACTC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	Synthetic N-terminus decapeptide of cardiac isoform of actin.  Type of Immunogen: Synthetic peptide
Isotype:	IgG1
Specificity:	Recognizes fetal cardiac actin. Represents an excellent marker for cardiac tissue, it discriminates fetal (cardiac) α-actin from all other actin isoforms. Shows no cross-reaction with other actin isoforms present in skeletal and smooth muscle, provided that stringent experimental conditions have been applied. Species cross-reactivity: Human, bovine, rabbit, chicken.
Purification:	Protein G purified

## Target Details

Target:	ACTC1
Alternative Name:	ACTC1 / Alpha Cardiac Actin ( <a href="#">ACTC1 Products</a> )
Background:	Name/Gene ID: ACTC1  Synonyms: ACTC1, Actin, alpha cardiac muscle 1, Actin, alpha, cardiac muscle, Actin, alpha, cardiac muscle 1, Alpha-cardiac actin, CMH11, CMD1R, ACTC, LVNC4, ASD5
Gene ID:	70
UniProt:	<a href="#">P68032</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a>

## Application Details

Application Notes:	Approved: ELISA (1:500), IHC, IHC-Fr, IHC-P, WB (1:1000)  Usage: Suitable for use in Western Blot, ELISA and Immunohistochemistry. Immunohistochemistry: 1:10. Frozen and paraffin sections. Note: It is necessary to include 0.5 M sodium chloride in all washing buffers for application on frozen tissue. This is not necessary for paraffin sections. Western Blot: 1:1000 (using the ECL-enhanced procedure). ELISA: 1:500. Note: It is necessary to include 1 M sodium chloride for application in Western blot and ELISA to enhance specificity.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Sterile ddH2O
Concentration:	Lot specific
Buffer:	Lyophilized powder from PBS, pH 7.4, 0.5 % BSA, 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

---

Handling Advice:	Aliquot to Avoid repeated freezing and thawing
Storage:	-20 °C
Storage Comment:	Reconstituted or lyophilized: store at -20°C. Reconstitute with sterile ddH2O. Aliquot to avoid freeze-thaw cycles.

## Publications

---

Product cited in:	Itier, Ret, Viale, Sweet, Bangari, Caron, Le-Gall, Bénichou, Leonard, Deleuze, Orsini: "Effective clearance of GL-3 in a human iPSC-derived cardiomyocyte model of Fabry disease." in: <b>Journal of inherited metabolic disease</b> , (2014) ( <a href="#">PubMed</a> ).
-------------------	---