

Datasheet for ABIN7428392
anti-ACTC1 antibody (AA 156-368)

9 Images

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Overview

Quantity:	100 µL
Target:	ACTC1
Binding Specificity:	AA 156-368
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Actin Alpha 1, Cardiac Muscle (ACTC1)
Immunogen:	Recombinant Actin Alpha 1, Cardiac Muscle (ACTC1) corresponding to Asp156~Gly368 with N-terminal His Tag
Clone:	C7
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against ACTC1. It has been selected for its ability to recognize ACTC1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Chicken, Cow, Dog, Mouse, Pig, Rabbit, Rat
Purification:	Protein A + Protein G affinity chromatography

Target Details

Target:	ACTC1
Alternative Name:	Actin Alpha 1, Cardiac Muscle (ACTC1 Products)
Background:	ACTC, CMD1R, CMD1-R, ACT-a1
Pathways:	Myometrial Relaxation and Contraction

Application Details

Application Notes:	Western blotting: 0.5-5 µg/mL Immunocytochemistry in formalin fixed cells: 5-30 µg/mL Immunohistochemistry in formalin fixed frozen section: 5-30 µg/mL Immunohistochemistry in paraffin section: 5-30 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

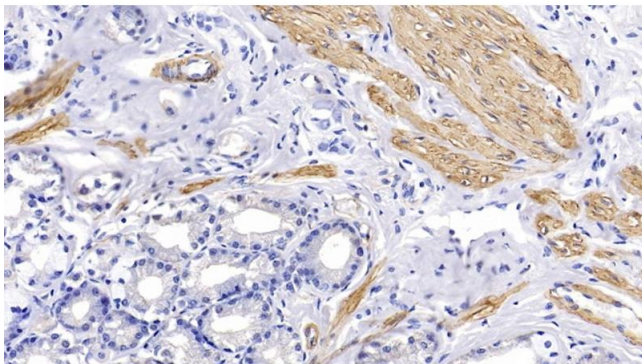
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



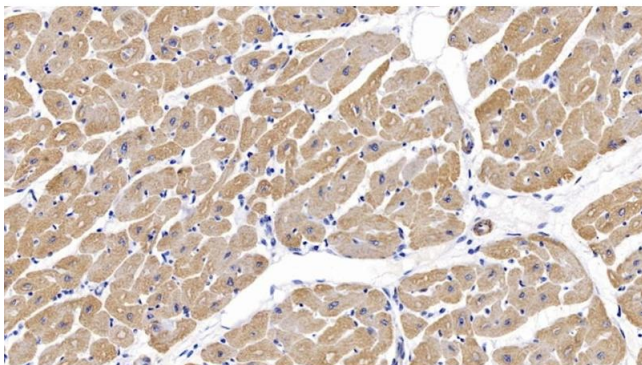
Western Blotting

Image 1. Detection of ACTC1 in Mouse Skin lysate using Monoclonal Antibody to Actin Alpha 1, Cardiac Muscle (ACTC1)



Immunohistochemistry

Image 2. Detection of ACTC1 in Human Stomach Tissue using Monoclonal Antibody to Actin Alpha 1, Cardiac Muscle (ACTC1)



Immunohistochemistry

Image 3. Detection of ACTC1 in Human Cardiac Muscle Tissue using Monoclonal Antibody to Actin Alpha 1, Cardiac Muscle (ACTC1)

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN7428392.