

Datasheet for ABIN6137994  
**anti-Caveolin 3 antibody (AA 1-100)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	100 µL
Target:	Caveolin 3 (CAV3)
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caveolin 3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Caveolin-3 (NP_001225.1).
Sequence:	MMAEEHTDLE AQIVKDIHCK EIDLVNRPK NINEDIVKVD FEDVIAEPVG TYSFDGVWKV SYTTFVSKY WCYRLLSTLL GVPLALLWGF LFACISFCHI
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	Caveolin 3 (CAV3)
Alternative Name:	CAV3 ( <a href="#">CAV3 Products</a> )
Background:	<p>This gene encodes a caveolin family member, which functions as a component of the caveolae plasma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding proteins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified in this gene lead to interference with protein oligomerization or intra-cellular routing, disrupting caveolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKemia or rippling muscle disease (RMD). Alternative splicing has been identified for this locus, with inclusion or exclusion of a differentially spliced intron. In addition, transcripts utilize multiple polyA sites and contain two potential translation initiation sites.,CAV3,LGMD1C,LQT9,VIP-21,VIP21,Signal Transduction,ErbB-HER Signaling Pathway,Endocrine &amp; Metabolism,Insulin Receptor Signaling Pathway,CAV3</p>
Molecular Weight:	17 kDa
Gene ID:	859
UniProt:	<a href="#">P56539</a>
Pathways:	<a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Negative Regulation of Transporter Activity</a>

## Application Details

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Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

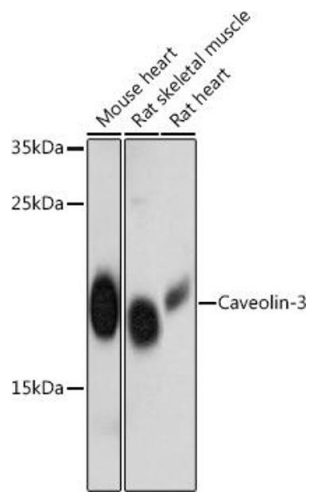
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

## Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using Caveolin-3 antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.