

Datasheet for ABIN361198

anti-Caveolin 3 antibody (N-Term)



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3 Images

Overview

Quantity:	100 µg
Target:	Caveolin 3 (CAV3)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Caveolin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	CAV3
Immunogen:	Peptide with sequence EHTDLEAQIVKDIH-C, from the N Terminus of the protein sequence according to NP_203123.1.
Sequence:	EHTDLEAQIV KDIH
Isotype:	IgG
Specificity:	Reported variants represent identical protein (NP_001225.1, NP_203123.1).
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

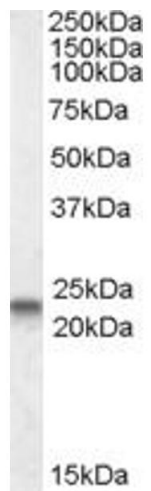
Target:	Caveolin 3 (CAV3)
Alternative Name:	CAV3 (CAV3 Products)
Background:	CAV3, caveolin 3, LGMD1C, LQT9, MGC126100, MGC126101, MGC126129, VIP-21, VIP21, M-caveolin
Gene ID:	859, 12391, 29161
NCBI Accession:	NP_203123
Pathways:	Carbohydrate Homeostasis , Regulation of Muscle Cell Differentiation , Regulation of Cell Size , Skeletal Muscle Fiber Development , Negative Regulation of Transporter Activity

Application Details

Application Notes:	<p>Immunohistochemistry: In paraffin embedded Human Skeletal Muscle shows peripheral staining of fibres. Recommended concentration, 3-5 µg/mL.</p> <p>Western Blot: Approx 23 kDa band observed in Human, Mouse and Rat Heart lysates and approx. 20 kDa in Pig Heart and Skeletal Muscle lysates (calculated MW of 17.3 kDa according to Human NP_203123.1, 17.4 kDa according to Mouse NP_031643.1, Rat NP_062028.1 and Peptide ELISA: antibody detection limit dilution 1:4000.</p>
Restrictions:	For Research Use only

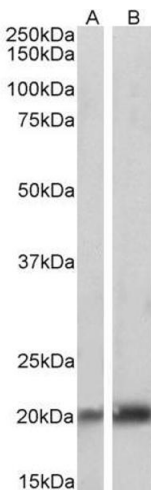
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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 Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. ABIN361198 (0.3µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



Western Blotting

Image 2. ABIN361198 (0.1µg/ml) staining of Pig Skeletal Muscle (A) and Heart (B) lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.



Western Blotting

Image 3. ABIN361198 (0.3µg/ml) staining of Mouse (A) and Rat (B) Heart lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.