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anti-Caveolin 3 antibody (AA 3-24)

2 Images



Publications



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Overview

Quantity:	50 μg
Target:	Caveolin 3 (CAV3)
Binding Specificity:	AA 3-24
Reactivity:	Mouse, Rat, Rabbit
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Caveolin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Rat Caveolin 3 aa. 3-24
Clone:	26-Caveolin 3
Isotype:	IgG1
Cross-Reactivity:	Mouse (Murine), Rabbit
Characteristics:	1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
	2. Please refer to us for technical protocols.
	3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide
	compounds in running water before discarding to avoid accumulation of potentially explosive
	deposits in plumbing.
	4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

Product Details Purification: The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. **Target Details** Target: Caveolin 3 (CAV3) Alternative Name: Caveolin 3 (CAV3 Products) Background: Identified as a tyrosine phosphorylated protein in Rous sarcoma virus-transformed chick embryo fibroblasts (CEF), caveolin is now known to be ubiquitously expressed. Caveolin (also known as VIP21) localizes to non-clathrin membrane invaginations (caveolae) on the inner surface of the plasma membrane. This transmembrane protein plays a structural role in these specializations. Caveolin is also present at the trans-Golgi network (TGN), and similar quantities are found in apically and basolaterally destined transport vesicles. Caveolin is part of a complex containing glycosylphosphatidylinositol (GPI)-linked molecules and cytoplasmic signaling proteins. Caveolin is a transmembrane adaptor molecule that can simultaneously recognize GPI-linked proteins and interact with downstream cytoplasmic signaling molecules, such as cyes, Annexin II, and hetero-trimeric G proteins. Caveolin 3 has been identified as a distinct isoform which is expressed only in smooth, skeletal, and cardiac muscle. 18 kDa Molecular Weight: Pathways: Carbohydrate Homeostasis, Regulation of Muscle Cell Differentiation, Regulation of Cell Size, Skeletal Muscle Fiber Development, Negative Regulation of Transporter Activity **Application Details** This antibody was tested in development by immunohistochemistry using the SDS Antigen **Application Notes:** Retreival Method. Comment: Related Products: ABIN967389 Restrictions: For Research Use only

Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.

Handling

Concentration:

Liquid

250 µg/mL

Format:

Buffer:

Handling

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
Storage Comment:	Store undiluted at -20°C.

Publications

Product cited in:

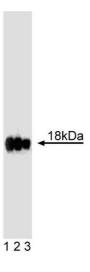
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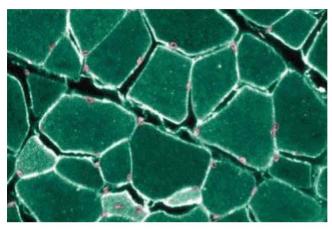
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Western Blotting

Image 1. Western blot analysis of Caveolin 3 on rat muscle lysate. Lane 1: 1:5000, lane 2: 1:10000, lane 3: 1:20000 dilution of anti-Caveolin 3.



Immunohistochemistry

Image 2. Immunohistochemical staining of Rabbit Muscle with anti-Caveolin 3.