

Datasheet for ABIN534131  
**anti-Caveolin-1 antibody**[Go to Product page](#)

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## Overview

Quantity:	100 µL
Target:	Caveolin-1 (CAV1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Caveolin-1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP)

## Product Details

Purpose:	Mouse monoclonal antibody raised against CAV1.
Immunogen:	Glut 4 vesicles.
Clone:	7C8
Isotype:	IgG2b
Specificity:	This antibody is specific to caveolin alpha and beta proteins.
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Antibody Reactive Against CAV1.

## Target Details

Target:	Caveolin-1 (CAV1)
Alternative Name:	Caveolin-1 ( <a href="#">CAV1 Products</a> )

## Target Details

Gene ID:	857
Pathways:	<a href="#">Maintenance of Protein Location</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Negative Regulation of Transporter Activity</a> , <a href="#">VEGFR1 Specific Signals</a>

## Application Details

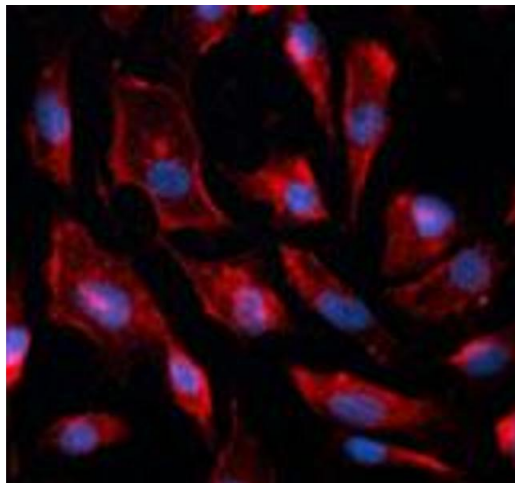
Application Notes:	Immunofluorescence (1:200) Western Blot (1:1000-1:4000) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	In Tris-glycine, 150 mM NaCl (0.05 % 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.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

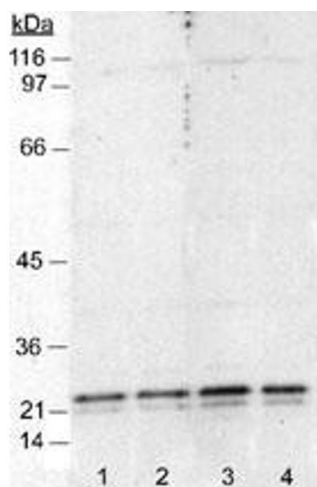
## Publications

Product cited in:	Fork, Hitzel, Nichols, Tikkanen, Brandes: "Flotillin-1 facilitates toll-like receptor 3 signaling in human endothelial cells." in: <b>Basic research in cardiology</b> , Vol. 109, Issue 6, pp. 439, (2014) ( <a href="#">PubMed</a> ).
	Souto, Vallega, Wharton, Vinten, Tranum-Jensen, Pilch: "Immunopurification and characterization of rat adipocyte caveolae suggest their dissociation from insulin signaling." in: <b>The Journal of biological chemistry</b> , Vol. 278, Issue 20, pp. 18321-9, (2003) ( <a href="#">PubMed</a> ).



#### Immunofluorescence

**Image 1.** Immunofluorescent imaging using CAV1 monoclonal antibody, clone 7C8 at 1 : 200 dilution (ON incubation) on Eahy926 endothelial cell line showing a clear localization in lipid raft/membrane (Photo courtesy of Alberto Davalos, Yale School of Medicine).



#### Western Blotting

**Image 2.** Western blot analysis of CAV1 in NIH/3T3 cell lysates (50 ug) using CAV1 monoclonal antibody, clone 7C8 . Lanes 1 and 2 : 1 : 4,000. Lanes 3 and 4 : 1 : 1,000. ECL : 5 minute exposure.