

Product datasheet for TA301445

Caveolin 1 (CAV1) Mouse Monoclonal Antibody [Clone ID: 7C8]

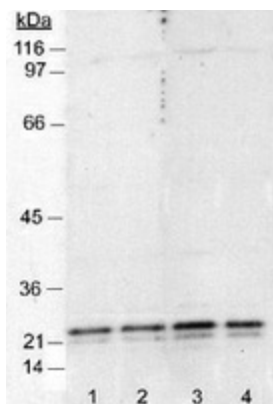
Product data:

Product Type:	Primary Antibodies
Clone Name:	7C8
Applications:	IF, WB
Recommend Dilution:	WB: 1: 1000-1:4000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Glut 4 vesicles.
Formulation:	Tris-glycine and 150mM NaCl containing 0.05% sodium azide. and Sodium Azide
Purification:	protein A purified
Gene Name:	caveolin 1
Database Link:	NP_001744 Entrez Gene 12389 Mouse Entrez Gene 25404 Rat Entrez Gene 857 Human
Background:	Caveolae are specialized domains of the plasma membrane that are implicated in the sequestration of a variety of lipid and protein molecules. It has been suggested that these important cellular organelles have a pivotal role in such diverse biochemical processes as lipid metabolism, growth regulation, signal transduction, and apoptosis. Caveolin interacts with and regulates heterotrimeric G-proteins. Currently, there are three members of the caveolin multigene family which are known to encode 21-24 kDa integral membrane proteins that comprise the major structural component of the caveolar membrane in vivo . Caveolin-2 protein is abundantly expressed in fibroblasts and differentiated adipocytes, smooth and skeletal muscle, and endothelial cells. The expression of caveolin-1 is similar to that of caveolin-2 while caveolin-3 expression appears to be limited to muscle tissue types.
Synonyms:	BSCL3; CGL3; LCCNS; MSTP085; PPH3; VIP21
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Focal adhesion, Viral myocarditis

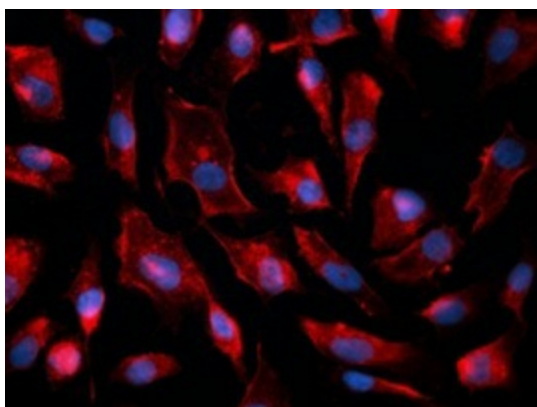


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Product images:



Detection of caveolin in 3T3 cell lysates (50 ug).
Lanes 1 and 2: 1:4,000. Lanes 3 and 4: 1:1,000.
ECL: 5 minute exposure.



IF image at 1:200 dilution (ON incubation) on
Eahy926 endothelial cell line showing a clear
localization in lipid raft/membrane