

Anti-Caveolin-3 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 17 kDa. Actual: 17 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Sample: Hela (Human) Cell Lysate at 30 µg Primary: Anti-Caveolin-3 (TMAB-03706) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 17 kD Observed band size: 17 kD</p> <p>2. Blank control (blue line): A431 (blue). Primary Antibody (green line): Rabbit Anti-Caveolin-3 antibody (TMAB-03706); Dilution: 1 µg /10⁶ cells;</p> <p>Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): F (ab')₂ fragment goat anti-rabbit IgG-FITC;Dilution: 1 µg /test.</p> <p>Protocol The cells were fixed with 80% methanol (5 min at -20°C) and then permeabilized with 0.1% P then permeabilized with 90% ice-cold methanol for 30 min on ice.). Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p>
Application:	WB,FCM
Recommended	WB: 1:500-2000; FCM: 1µg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: mouse Caveolin-3
Antigen Species: Mouse
Gene ID: 12391
Uniprot ID: P51637

Research 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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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