

Caveolin-3 Antibody

Rabbit mAb Catalog # AP90078

Product Information

Application WB, IP Primary Accession P56539

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names CAV3; M-caveolin; Caveolin 3; VIP21;

IsotypeRabbit IgGHostRabbitCalculated MW17259

Additional Information

Dilution WB 1:500~1:2000 IP 1:50 **Purification** Affinity-chromatography

Immunogen A synthesized peptide derived from human Caveolin-3

Description Caveolin-3 may act as a scaffolding protein within caveolar membranes.

Interacts directly with G-protein alpha subunits and can functionally regulate their activity. Plays a role in the sarcolemma repair mechanism of both skeletal muscle and cardiomyocytes that permits rapid resealing of

membranes disrupted by mechanical stress.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name CAV3

Function May act as a scaffolding protein within caveolar membranes. Interacts

directly with G-protein alpha subunits and can functionally regulate their activity. May also regulate voltage-gated potassium channels. Plays a role in

the sarcolemma repair mechanism of both skeletal muscle and

cardiomyocytes that permits rapid resealing of membranes disrupted by mechanical stress (By similarity). Mediates the recruitment of CAVIN2 and

CAVIN3 proteins to the caveolae (PubMed: 19262564).

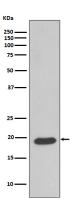
Cellular Location Golgi apparatus membrane; Peripheral membrane protein. Cell membrane

{ECO:0000250|UniProtKB:P51638}; Peripheral membrane protein.

Membrane, caveola {ECO:0000250 | UniProtKB:P51637}; Peripheral membrane protein. Cell membrane, sarcolemma {ECO:0000250 | UniProtKB:P51637}. Note=Potential hairpin-like structure in the membrane. Membrane protein of

caveolae (By similarity)

Images



Western blot analysis of Caveolin 3 expression in Human fetal heart lysate.

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