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Anti-Caveolin-3 CAV3 Rabbit Monoclonal Antibody

Catalog # ABO14017

Product Information

Application	WB
Primary Accession	P56539
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Caveolin-3 CAV3 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

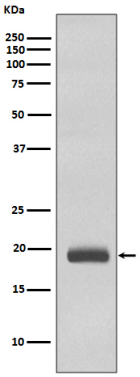
Gene ID	859
Other Names	Caveolin-3, M-caveolin, CAV3
Calculated MW	17259
Application Details	WB 1:500-1:2000
Subcellular Localization	Golgi apparatus membrane ; Peripheral membrane protein. Cell membrane ; Peripheral membrane protein. Membrane, caveola ; Peripheral membrane protein. Potential hairpin-like structure in the membrane. Membrane protein of caveolae (By similarity)..
Tissue Specificity	Expressed predominantly in muscle..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: FF-3
Immunogen	A synthesized peptide derived from human Caveolin-3
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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)
Tissue Location	Expressed predominantly in muscle.

Images



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