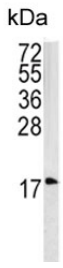
Caveolin-3 Antibody / CAV3 (F54853)

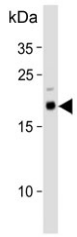
Catalog No.	Formulation	Size
F54853-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54853-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

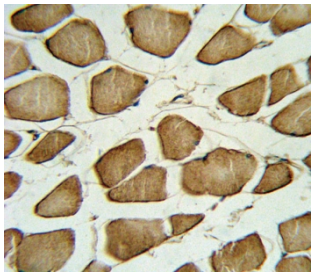
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P56539
Localization	Cytoplasmic
Applications	Western Blot : 1:500-1:1000 Immunohistochemistry (FFPE) : 1:10-1:50 Flow Cytometry : 1:10-1:50 (1x10e6 cells)
Limitations	This Caveolin-3 antibody is available for research use only.



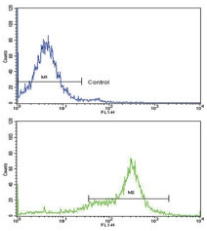
Western blot testing of human HEK293 cell lysate with Caveolin-3 antibody. Predicted molecular weight: ~17 kDa but routinely observed at 20~25 kDa.



Western blot testing of human uterus tissue lysate with Caveolin-3 antibody. Predicted molecular weight: ~17 kDa but routinely observed at 20~25 kDa.



IHC testing of FFPE human skeletal muscle tissue with Caveolin-3 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HEK293 cells with Caveolin-3 antibody; Blue=isotype control, Green= Caveolin-3 antibody.

Description

CAV3 is a caveolin family member, which functions as a component of the caveolae plasma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding proteins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified in its gene lead to interference with protein oligomerization or intra-cellular routing, disrupting caveolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKemia or rippling muscle disease (RMD).

Application Notes

The stated application concentrations are suggested starting points. Titration of the Caveolin-3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 5-31 from the human protein was used as the immunogen for the Caveolin-3 antibody.

Storage

Aliquot the Caveolin-3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.