

## 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](#)

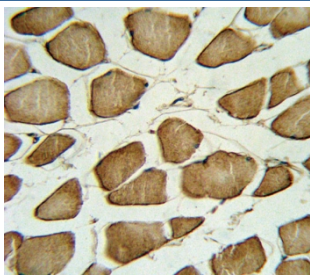
|                           |                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                              |
| <b>Species Reactivity</b> | Human                                                                                                                          |
| <b>Format</b>             | Purified                                                                                                                       |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                                                     |
| <b>Isotype</b>            | Rabbit Ig                                                                                                                      |
| <b>Purity</b>             | Purified                                                                                                                       |
| <b>UniProt</b>            | P56539                                                                                                                         |
| <b>Localization</b>       | Cytoplasmic                                                                                                                    |
| <b>Applications</b>       | Western Blot : 1:500-1:1000<br>Immunohistochemistry (FFPE) : 1:10-1:50<br>Flow Cytometry : 1:10-1:50 (1x10 <sup>6</sup> cells) |
| <b>Limitations</b>        | This Caveolin-3 antibody is available for research use only.                                                                   |

kDa  
72  
55  
36  
28  
17

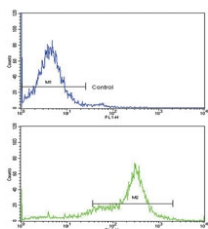
Western blot testing of human HEK293 cell lysate with Caveolin-3 antibody. Predicted molecular weight: ~17 kDa but routinely observed at 20~25 kDa.

kDa  
35  
25  
15  
10

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.