

# Caveolin-1 Rabbit mAb

Catalog # AP74912

## Product Information

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|--------------------------|--------------------------|
| <b>Application</b>       | WB, IHC-P, IHC-F, FC, IP |
| <b>Primary Accession</b> | <a href="#">Q03135</a>   |
| <b>Reactivity</b>        | Human, Mouse             |
| <b>Host</b>              | Rabbit                   |
| <b>Clonality</b>         | Monoclonal Antibody      |
| <b>Isotype</b>           | IgG                      |
| <b>Conjugate</b>         | Unconjugated             |
| <b>Purification</b>      | Affinity Purified        |
| <b>Calculated MW</b>     | 20 KDa                   |

## Additional Information

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|--------------------|---|
| <b>Other Names</b> | CAV1  |
| <b>Dilution</b>    | WB~~1:1000-1:5000 IHC-P~~N/A IHC-F~~N/A FC~~1:50-1:100 IP~~1:20-1:50                            |
| <b>Format</b>      | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| <b>Storage</b>     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.        |

## Protein Information

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### Background

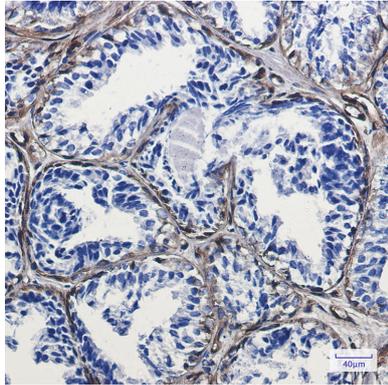
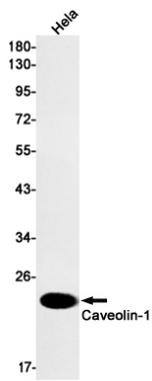
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Caveolin-1 may act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity (By similarity). Involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation. Its binding to DPP4 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Recruits CTNNB1 to caveolar membranes and may regulate CTNNB1-mediated signaling through the Wnt pathway.

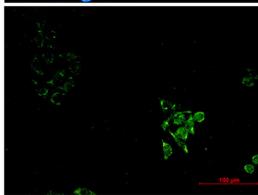
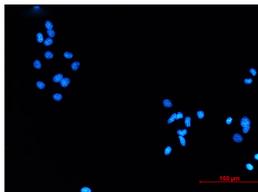
### Images

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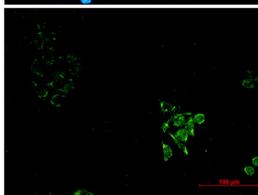
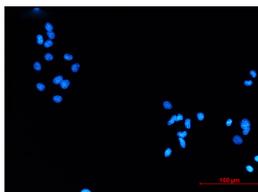
Western blot analysis of Caveolin1 in Hela lysates using Caveolin 1 antibody.

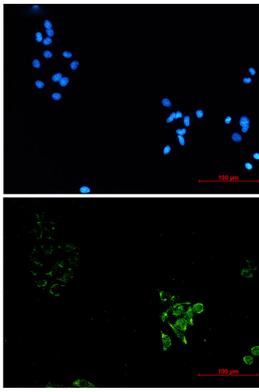


Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Caveolin1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of Caveolin1 (green) in Hela using Caveolin1 antibody, and DAPI(blue)





Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.