

## Caveolin 1 Rabbit mAb

Catalog No: #52197

Package Size: #52197-1 50ul #52197-2 100ul

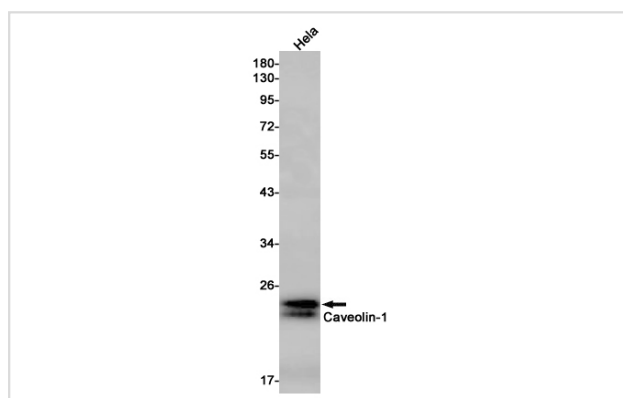
## Description

|                       |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Product Name          | Caveolin 1 Rabbit mAb                                                                    |
| Host Species          | Recombinant Rabbit                                                                       |
| Clonality             | Monoclonal                                                                               |
| Clone No.             | S01-9C9                                                                                  |
| Isotype               | Rabbit IgG                                                                               |
| Purification          | Affinity Purified                                                                        |
| Applications          | WB IHC                                                                                   |
| Species Reactivity    | Human                                                                                    |
| Immunogen Description | A synthetic peptide of human Caveolin-1                                                  |
| Conjugates            | Unconjugated                                                                             |
| Modification          | Unmodification                                                                           |
| Other Names           | CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085                                                 |
| Accession No.         | Swiss-Prot:Q03135GeneID:857                                                              |
| Calculated MW         | Calculated MW: 20 kDa; Observed MW: 20 kDa                                               |
| Concentration         | 0.3 mg/ml                                                                                |
| Formulation           | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA    |
| Storage               | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

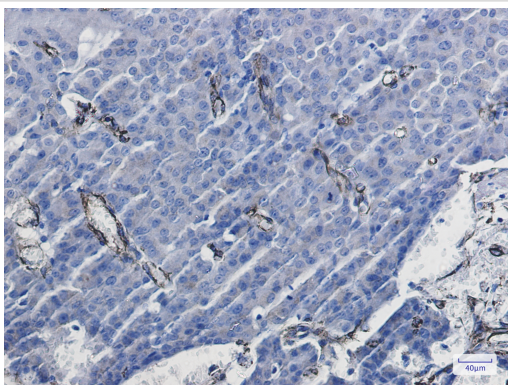
## Application Details

WB: 1/1000-1/5000; IHC: 1/20

## Images



Western blot detection of Caveolin-1 in HeLa cell lysates using Caveolin-1 Rabbit mAb(1:1000 diluted). Predicted band size:20kDa.Observed band size:20kDa.



Immunohistochemistry of Caveolin-1 in paraffin-embedded Human breast cancer tissue using Caveolin-1 Rabbit mAb at dilution 1/20

## Background

Swiss-Prot Acc.Q03135. May act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity. 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. Negatively regulates TGFβ1-mediated activation of SMAD2/3 by mediating the internalization of TGFβR1 from membrane rafts leading to its subsequent degradation (PubMed:25893292). Mediates the recruitment of CAVIN proteins (CAVIN1/2/3/4) to the caveolae (PubMed:19262564).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.