

## anti-Human Caveolin 1 Monoclonal Antibody | anti-CAV1 antibody

Caveolin 1 Rabbit mAb

|                               |                                   |                            |                                                           |
|-------------------------------|-----------------------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA314325</b> | HOST<br><b>Recombinant Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------------------|----------------------------|-----------------------------------------------------------|

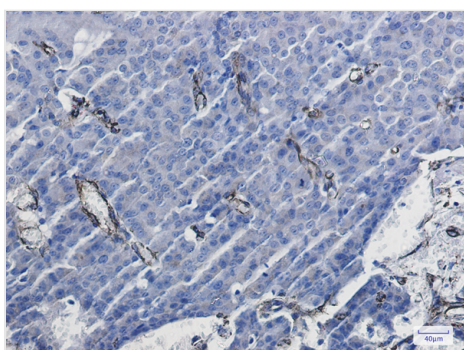
### PRODUCT SYNONYMS

Caveolin 1; Monoclonal Antibody; Caveolin 1 Rabbit mAb; CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085; anti-CAV1 antibody

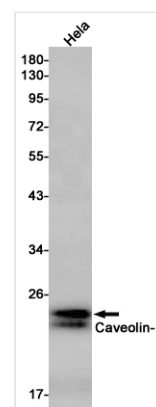
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Host                                           | Recombinant Rabbit                                                                                     |
| Reactivity                                     | Human                                                                                                  |
| Clonality                                      | Monoclonal                                                                                             |
| Isotype                                        | Rabbit IgG                                                                                             |
| Clone Number                                   | S01-9C9                                                                                                |
| Purity/Purification                            | Affinity Purified                                                                                      |
| Form/Format                                    | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                  |
| Concentration                                  | 0.3mg/ml (varies by lot)                                                                               |
| Applicable Applications for anti-CAV1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                          |
| Immunogen                                      | A synthetic peptide of human Caveolin-1                                                                |
| Conjugation                                    | Unconjugated                                                                                           |
| Modification                                   | Unmodification                                                                                         |
| Preparation and Storage                        | Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles. |

### IMAGES


**IHC (Immunohistochemistry)**

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


**WB (Western Blot)**

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.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CAV1 antibody | 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 TGFB1-mediated activation of SMAD2/3 by mediating the internalization of TGFBR1 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). |
| Product Categories/Family for anti-CAV1 antibody   | Primary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 15451856                                      |
| NCBI GeneID                      | 857                                           |
| NCBI Accession #                 | NP_001744.2                                   |
| NCBI GenBank Nucleotide #        | NM_001753.4                                   |
| UniProt Accession #              | Q03135; Q9UGP1; Q9UNG1; Q9UQH6                |
| Molecular Weight                 | 20,472 Da                                     |
| NCBI Official Full Name          | caveolin-1 isoform alpha                      |
| NCBI Official Synonym Full Names | caveolin 1, caveolae protein, 22kDa           |
| NCBI Official Symbol             | CAV1                                          |
| NCBI Official Synonym Symbols    | CGL3; BSCL3; VIP21; MSTP085                   |
| NCBI Protein Information         | caveolin-1; cell growth-inhibiting protein 32 |
| UniProt Protein Name             | Caveolin-1                                    |
| UniProt Gene Name                | CAV1                                          |
| UniProt Synonym Gene Names       | CAV                                           |
| UniProt Entry Name               | CAV1_HUMAN                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/caveolin-1-antibody-clone-s01-9c9-immunohistochemistry-western-blot-elisa/314325>