

## Rabbit Caveolin-1 Polyclonal Antibody | anti-CAV1 antibody

Caveolin-1 Polyclonal Antibody

|                               |                       |                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA294400</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|

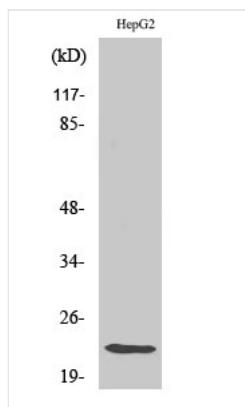
### PRODUCT SYNONYMS

Caveolin-1; Polyclonal Antibody; Caveolin-1 Polyclonal Antibody; CAV1; CAV; anti-CAV1 antibody

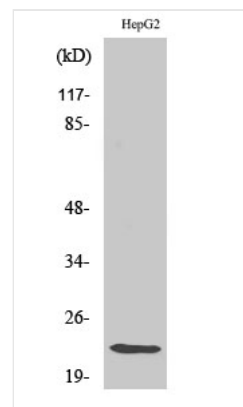
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-CAV1 antibody | WB (Western Blot)                                                                                                                                     |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.


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### ADDITIONAL INFORMATION

#### Related Product Information for anti-CAV1 antibody

May act as a scaffolding protein within caveolar membranes (PubMed:11751885). Forms a stable heterooligomeric complex with CAV2 that targets to lipid rafts and drives caveolae formation. Mediates the recruitment of CAVIN proteins (CAVIN1/2/3/4) to the caveolae (PubMed:19262564). 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 (PubMed:17287217). Recruits CTNNB1 to caveolar membranes and may regulate CTNNB1-mediated signaling through the Wnt pathway (By similarity). Negatively regulates TGFBR1-mediated activation of SMAD2/3 by mediating the internalization of TGFBR1 from membrane rafts leading to its subsequent degradation (PubMed:25893292).

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                | <b>CAV1</b>                                   |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/caveolin-1-antibody-western-blot-elisa/294400>