

Anti-CAV1 / Caveolin 1 Antibody (C-Terminus)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18190**Specification**

Anti-CAV1 / Caveolin 1 Antibody (C-Terminus) - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC-P, IF, ICC |
| Primary Accession | Q03135 |
| Predicted | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 20472 |

Anti-CAV1 / Caveolin 1 Antibody (C-Terminus) - Additional Information**Gene ID 857**

| | |
|--|------|
| Alias Symbol | CAV1 |
| Other Names | |
| CAV1, Caveolin-1, CGL3, CAV, MSTP085, VIP21, BSCL3 | |

Target/Specificity

Recognizes endogenous levels of Caveolin 1 protein.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-CAV1 / Caveolin 1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CAV1 / Caveolin 1 Antibody (C-Terminus) - Protein Information**Name CAV1****Synonyms CAV****Function**

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 TGFB1-mediated activation of SMAD2/3 by mediating the internalization of TGFBR1 from membrane rafts leading to its subsequent degradation (PubMed:25893292). Binds 20(S)-hydroxycholesterol (20(S)-OHC) (By similarity).

Cellular Location

Golgi apparatus membrane; Peripheral membrane protein. Cell membrane; Peripheral membrane protein. Membrane, caveola; Peripheral membrane protein. Membrane raft. Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:P33724} Note=Colocalized with DPP4 in membrane rafts. Potential hairpin-like structure in the membrane. Membrane protein of caveolae

Tissue Location

Skeletal muscle, liver, stomach, lung, kidney and heart (at protein level). Expressed in the brain

Anti-CAV1 / Caveolin 1 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CAV1 / Caveolin 1 Antibody (C-Terminus) - Images