

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

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

Application	WB, IHC-P, IF, ICC
Primary Accession	<a href="#">Q03135</a>
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
<b>Other Names</b>	
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:<a href="http://www.uniprot.org/citations/11751885" target="\_blank">11751885</a>). 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:<a href="http://www.uniprot.org/citations/19262564" target="\_blank">19262564</a>). 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:<a href="http://www.uniprot.org/citations/17287217" target="\_blank">17287217</a>). 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:<a href="http://www.uniprot.org/citations/25893292" target="\_blank">25893292</a>). 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**