

## Mouse anti-Human CAV2 Monoclonal Antibody | anti-CAV2 antibody

CAV2 Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                         |
|-----------|-------|------------|----------------------------------------------------------------------|
| AAA29897  | Mouse | Human      | Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

CAV2; Monoclonal Antibody; CAV2 Antibody; CAV antibody; CAV2 antibody; CAV2\_HUMAN antibody; Caveolae protein 20 kD antibody; Caveolin 2 antibody; Caveolin 2 isoform a and b antibody; Caveolin-2 antibody; MGC12294 antibody; OTTHUMP00000025032 antibody; OTTHUMP00000195982 antibody; anti-CAV2 antibody

### PRODUCT SPECIFICATIONS

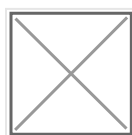
|                                                |                                                                          |
|------------------------------------------------|--------------------------------------------------------------------------|
| Host                                           | Mouse                                                                    |
| Reactivity                                     | Human                                                                    |
| Clonality                                      | Monoclonal                                                               |
| Clone Number                                   | 2E-9E                                                                    |
| Purity/Purification                            | ProA affinity purified                                                   |
| Form/Format                                    | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.   |
| Applicable Applications for anti-CAV2 antibody | WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry) |
| Application Notes                              | WB: 1:500-1:2000<br>IHC: 1:50-1:200<br>FC/FACS: 1:50-1:100               |
| Immunogen                                      | Recombinant protein                                                      |
| Conjugation                                    | Unconjugated                                                             |
| Preparation and Storage                        | Store at -20 degree C.                                                   |

### IMAGES



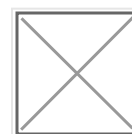
#### FCM (Flow Cytometry)

Flow cytometric analysis of A549 cells with caveolin-2 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).



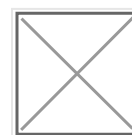
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue using anti-caveolin-2 antibody. Counter stained with hematoxylin.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissue using anti-caveolin-2 antibody. Counter stained with hematoxylin.



#### WB (Western Blot)

Western blot analysis of caveolin-2 on different cell lysate using anti-caveolin-2 antibody at 1/1,000 dilution. Positive control: A549 Line2: 3T3-L1 Line3: A431

**WB (Western Blot)**

Western blot analysis of caveolin-2 on HEK293 (1) and caveolin-2-hlgGfC transfected HEK293 (2) cell lysate using anti- caveolin-2

**WB (Western Blot)**

Western blot analysis of caveolin-2 on human caveolin-2 recombinant protein using anti- caveolin-2 antibody at 1/1, 000 dilution.

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CAV2 antibody</b> | Caveolae (also known as plasmalemmal vesicles) are 50-100 nM flask-shaped membranes that represent a subcompartment of the plasma membrane. On the basis of morphological studies, caveolae have been implicated to function in the transcytosis of various macromolecules (including LDL) across capillary endothelial cells, uptake of small molecules via potocytosis and the compartmentalization of certain signaling molecules including G protein-coupled receptors. Three proteins, caveolin-1, caveolin-2 and caveolin-3, have been identified as principal components of caveolae (6-8). Two forms of caveolin-1, designated alpha and beta, share a distinct but overlapping cellular distribution and differ by an amino terminal 31 amino acid sequence which is absent from the beta isoform. Caveolin-1 shares 31% identity with caveolin-2 and 65% identity with caveolin-3 at the amino acid level. Functionally, the three proteins differ in their interactions with heterotrimeric G protein isoforms (6-8) |
| <b>Product Categories/Family for anti-CAV2 antibody</b>   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 332164664                                                       |
| NCBI GeneID                      | 858                                                             |
| NCBI Accession #                 | NP_001193676.1                                                  |
| NCBI GenBank Nucleotide #        | NM_001206747.1                                                  |
| UniProt Accession #              | P51636; Q9UGM7; A4D0U2                                          |
| Molecular Weight                 | 18,291 Da                                                       |
| NCBI Official Full Name          | caveolin-2 isoform b                                            |
| NCBI Official Synonym Full Names | caveolin 2                                                      |
| NCBI Official Symbol             | CAV2                                                            |
| NCBI Official Synonym Symbols    | CAV                                                             |
| NCBI Protein Information         | caveolin-2; caveolae protein, 20-kD; caveolin 2 isoform a and b |
| UniProt Protein Name             | Caveolin-2                                                      |
| UniProt Gene Name                | CAV2                                                            |
| UniProt Entry Name               | CAV2_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/monoclonal/cav2-antibody-clone-2e-9e-western-blot-immunohistochemistry-flow-cytometry-elisa/29897>