

CAV2 Antibody

Catalog No: #48386

Package Size: #48386-1 50ul #48386-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

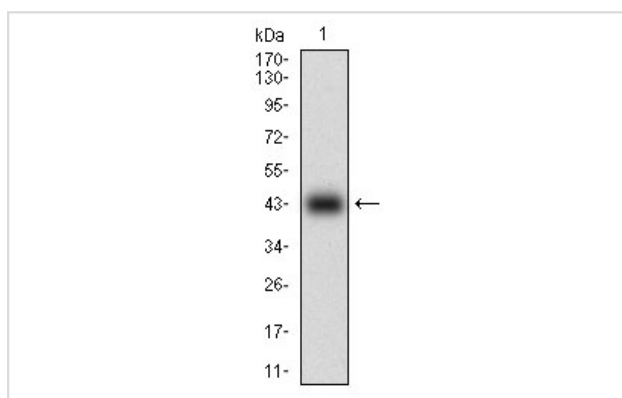
Description

Product Name	CAV2 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	2E-9E
Purification	ProA affinity purified
Applications	WB, IHC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	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
Accession No.	Swiss-Prot#:P51636
Uniprot	P51636
GeneID	858;
Calculated MW	18 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

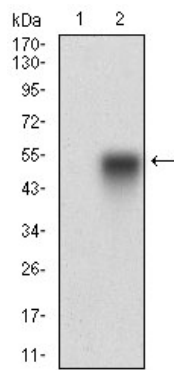
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 FC: 1:50-1:100

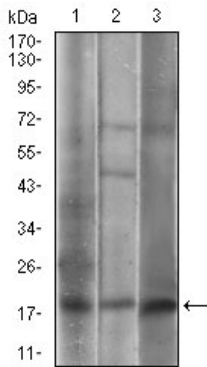
Images



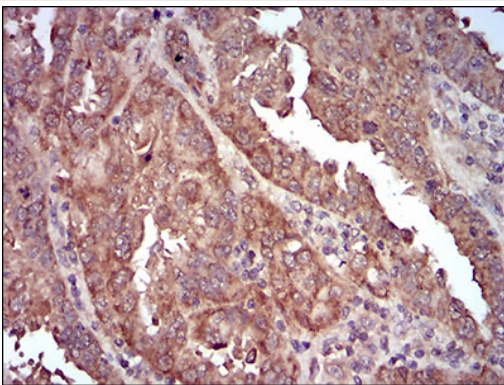
Western blot analysis of caveolin-2 on human caveolin-2 recombinant protein using anti- caveolin-2 antibody at 1/1,000 dilution.



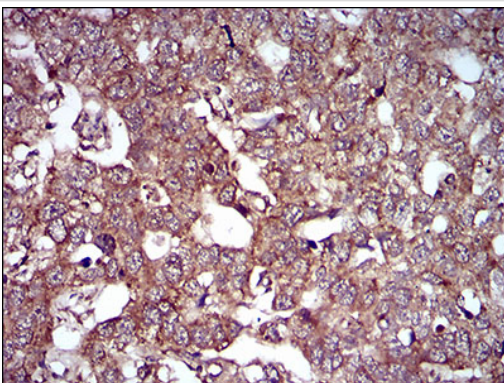
Western blot analysis of caveolin-2 on HEK293 (1) and caveolin-2-hlgGfc transfected HEK293 (2) cell lysate using anti-caveolin-2



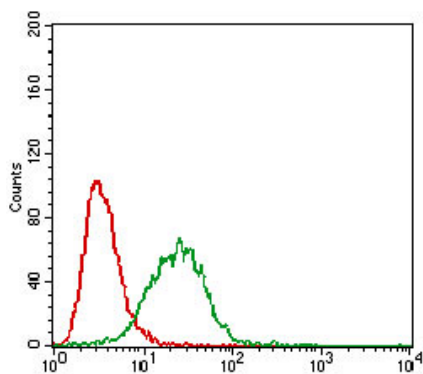
Western blot analysis of caveolin-2 on different cell lysate using anti-caveolin-2 antibody at 1/1,000 dilution. Positive control. Line1: A549 Line2: 3T3-L1 Line3: A431



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



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



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).

Background

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)

References

Note: This product is for in vitro research use only