

Caveolin 1 Rabbit mAb

Catalog No: #52197

Package Size: #52197-1 50ul #52197-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

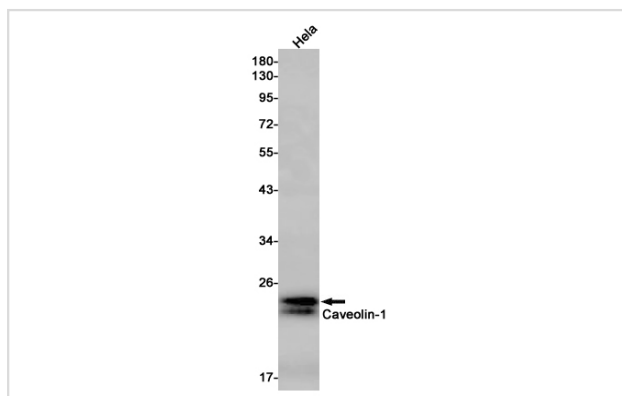
Description

Product Name	Caveolin 1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S01-9C9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human Caveolin-1
Conjugates	Unconjugated
Modification	Unmodification
Other Names	CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085
Accession No.	Swiss-Prot:Q03135GeneID:857
Uniprot	Q03135
GeneID	857
Calculated MW	Calculated MW: 20 kDa; Observed MW: 20 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

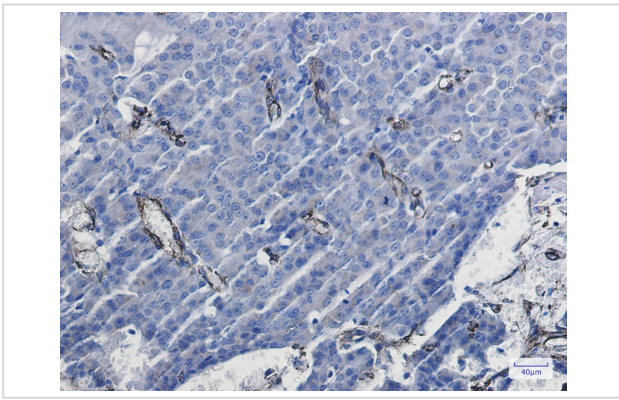
Application Details

WB: 1/1000-1/5000; IHC: 1/20

Images



Western blot detection of Caveolin-1 in HeLa cell lysates using Caveolin-1 Rabbit mAb(1:1000 diluted). Predicted band size:20kDa. Observed band size:20kDa.



Immunohistochemistry of Caveolin-1 in paraffin-embedded Human breast cancer tissue using Caveolin-1 Rabbit mAb at dilution 1/20

Background

Swiss-Prot Acc.Q03135. May act as a scaffolding protein within caveolar membranes. Interacts directly with G-protein alpha subunits and can functionally regulate their activity. 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. Recruits CTNNB1 to caveolar membranes and may regulate CTNNB1-mediated signaling through the Wnt pathway. Negatively regulates TGFB1-mediated activation of SMAD2/3 by mediating the internalization of TGFBR1 from membrane rafts leading to its subsequent degradation (PubMed:25893292). Mediates the recruitment of CAVIN proteins (CAVIN1/2/3/4) to the caveolae (PubMed:19262564).

Note: This product is for in vitro research use only