Product Name: **Caveolin 1 Rabbit Monoclonal Antibody**
Catalog #: **AMRe85185**
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.62mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200,IP 1:10-1:20
Molecular Weight	Calculated MW: 20 kDa; Observed MW: 20 kDa

Antigen Information

Gene Name	Caveolin 1
Alternative Names	CAV1; CAV; Caveolin-1
Gene ID	857.0
SwissProt ID	Q03135
Immunogen	Recombinant protein of human Caveolin-1

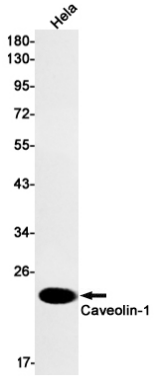
Background

Caveolin-1 may act as a scaffolding protein within caveolar membranes. 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-

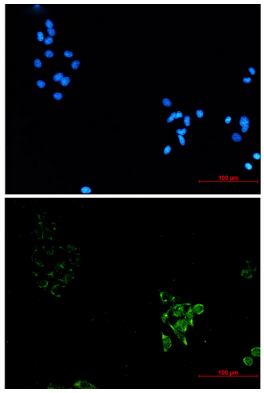
dependent manner. Recruits CTNNB1 to caveolar membranes and may regulate CTNNB1-mediated signaling through the Wnt pathway.

Research Area

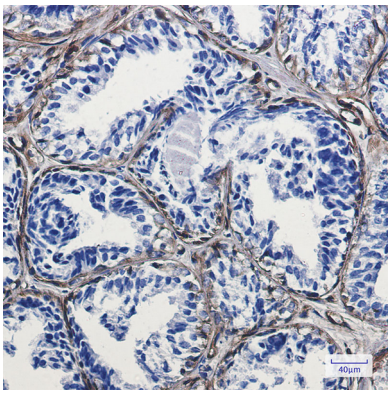
Image Data



Western blot analysis of Caveolin1 in Hela lysates using Caveolin 1 antibody.



Immunocytochemistry analysis of Caveolin1 (green) in Hela using Caveolin1 antibody,and DAPI(blue)



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Caveolin1 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.