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Caveolin-2 Rabbit mAb

Catalog # AP75204

Product Information

Application	WB, IHC-P, FC
Primary Accession	P51636
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	18291

Additional Information

Gene ID	858
Other Names	CAV2
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:200-1:2000
Format	Liquid in 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.

Protein Information

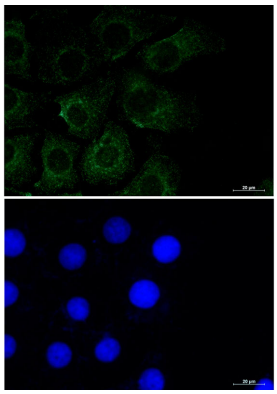
Name	CAV2
Function	May act as a scaffolding protein within caveolar membranes. Interacts directly with G protein alpha subunits and can functionally regulate their activity. Acts as an accessory protein in conjunction with CAV1 in targeting to lipid rafts and driving caveolae formation. The Ser-36 phosphorylated form has a role in modulating mitosis in endothelial cells. Positive regulator of cellular mitogenesis of the MAPK signaling pathway. Required for the insulin-stimulated nuclear translocation and activation of MAPK1 and STAT3, and the subsequent regulation of cell cycle progression (By similarity).
Cellular Location	Nucleus. Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein. Cell membrane; Peripheral membrane protein. Membrane, caveola; Peripheral membrane protein. Note=Potential hairpin-like structure in the membrane. Membrane protein of caveolae Tyr-19-phosphorylated form is enriched at sites of cell-cell contact and is translocated to the nucleus in complex with MAPK1 in response to insulin (By similarity).

	Tyr-27-phosphorylated form is located both in the cytoplasm and plasma membrane. CAV1-mediated Ser-23-phosphorylated form locates to the plasma membrane. Ser-36-phosphorylated form resides in intracellular compartments.
Tissue Location	Expressed in endothelial cells, smooth muscle cells, skeletal myoblasts and fibroblasts

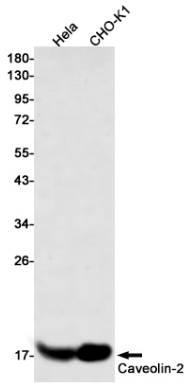
Background

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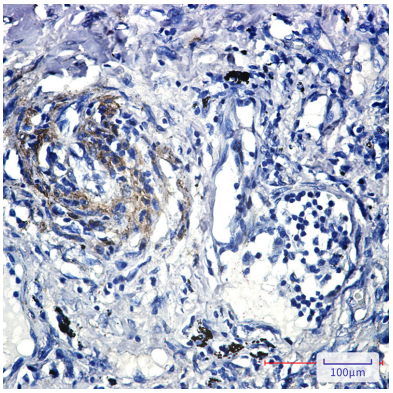
Images



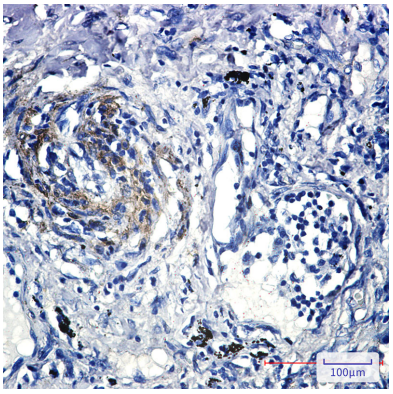
Immunocytochemistry analysis of Caveolin 2 (green) in A549 using Caveolin 2 antibody,and DAPI(blue).



Western blot analysis of Caveolin2 in Hela, CHO-K1 lysates using Caveolin2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using Caveolin2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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