

Cat. No:	AB-81830
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human Caveolin-1.
Reactivity:	Hu, Ms
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	20kDa/23kDa
Purification:	Aff. Pur.
Synonyms:	BSCL3;CGL3;LCCNS;MSTP085;PPH3;VIP21;CAV1

Background:

The scaffolding protein encoded by this gene is the main component of the caveolae plasma membranes found in most cell types. The protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The gene is a tumor suppressor gene candidate and a negative regulator of the Ras-p42/44 mitogen-activated kinase cascade. Caveolin 1 and caveolin 2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Mutations in this gene have been associated with Berardinelli-Seip congenital lipodystrophy. Alternatively spliced transcripts encode alpha and beta isoforms of caveolin 1.

Form:

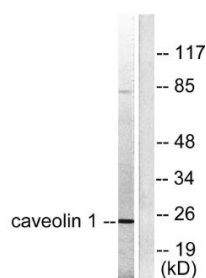
Liquid

Buffer:

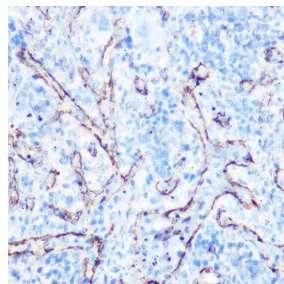
PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Storage:

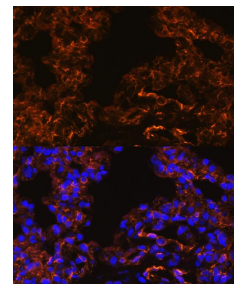
Store at -20°C. Avoid freeze / thaw cycles.



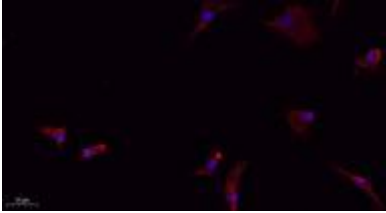
Western blot analysis of lysates from HUVEC cells, using Caveolin-1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry of paraffin embedded rat spleen using Caveolin-1 Rabbit pAb at dilution of 1:100 (40x lens).



Immunofluorescence analysis of Rat lung cells using Caveolin-1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of A549.
1, primary Antibody (red) was diluted at 1:200 (4°C overnight).
2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000 (room temperature, 50min).
3, Picture B: DAPI (blue) 10min.

References

References for Caveolin-1 Rabbit pAb

Product: Caveolin-1 Rabbit pAb

Journal: Toxicology and applied pharmacology

Application: WB

IF:

Species: Homo sapiens

PMID: 31381904

Title: The involvement of lipid raft pathway in suppression of TGF β -mediated metastasis by tolfenamic acid in hepatocellular carcinoma cells.

References for Caveolin-1 Rabbit pAb

Product: Caveolin-1 Rabbit pAb

Journal: PLoS Pathog

Application: WB

IF: 6.21

Species: Homo sapiens

PMID: 33315947

Title: Host RAB11FIP5 protein inhibits the release of Kaposi's sarcoma-associated herpesvirus particles by promoting lysosomal degradation of ORF45

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