

# Caveolin-1 Rabbit mAb

Catalog No.: A19006

Recombinant

9 Publications

## Basic Information

**Observed MW**

21kDa/24kDa

**Calculated MW**

17kDa/20kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC50848

## 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.

## Recommended Dilutions

WB 1:2000 - 1:10000

IHC-P 1:50 - 1:200

## Immunogen Information

**Gene ID**

857

**Swiss Prot**

Q03135

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-80 of human Caveolin-1 (NP\_001744.2).

**Synonyms**

CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085; Caveolin-1

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

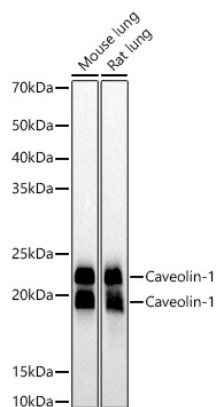
Affinity purification

**Storage**

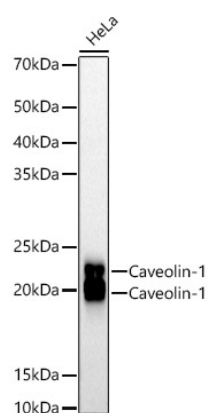
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

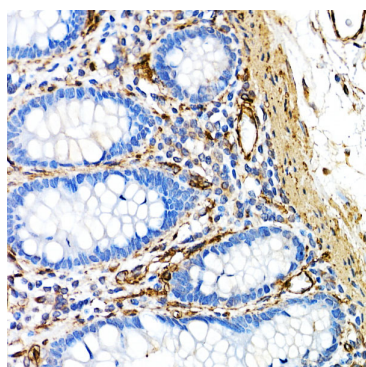
## Validation Data



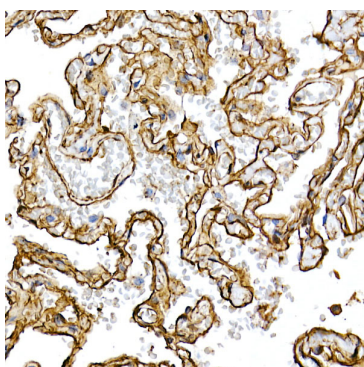
Western blot analysis of various lysates, using Caveolin-1 Rabbit mAb (A19006) at 1:10000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 10s.



Western blot analysis of lysates from HeLa cells, using Caveolin-1 Rabbit mAb (A19006) at 1:10000 dilution.  
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 90s.



Immunohistochemistry analysis of Caveolin-1 in paraffin-embedded Human colon using Caveolin-1 Rabbit mAb (A19006) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of Caveolin-1 in paraffin-embedded Human lung using Caveolin-1 Rabbit mAb (A19006) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.