

# Phospho-Caveolin-1-Y14 Rabbit pAb

Catalog No.: AP0320

## Basic Information

**Observed MW**

20kDa

**Calculated MW**

20kDa

**Category**

Primary antibody

**Applications**

WB

**Cross-Reactivity**

Human, Mouse, Rat

## 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 1:500 - 1:2000

## Immunogen Information

**Gene ID**

857

**Swiss Prot**

Q03135

**Immunogen**

A phospho specific peptide corresponding to residues surrounding Y14 of human Caveolin-1

**Synonyms**

CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085; Phospho-Caveolin-1-Y14

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

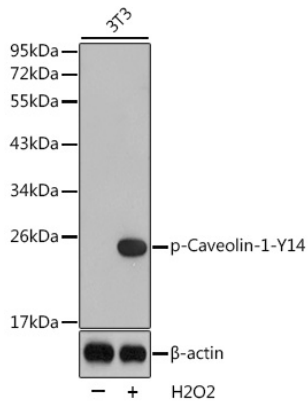
**Storage**

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

---



Western blot analysis of extracts from 3T3 cells using Phospho-Caveolin-1-Y14 antibody (AP0320).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% BSA.