BT LAB
Bioassay Technology Laboratory
*Optimize Your Research*

# Phospho-Caveolin-1 (Y14) Polyclonal Antibody

## Description

| | |
|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-PHS00050 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Size** | 20ul, 50ul, 100ul |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human Caveolin-1 around the phosphorylation site of Tyr14. AA range:5-54 |
| **Mol wt** | 20472 |
| **Species reactivity** | Human, mouse, rat |
| **Clonality** | Polyclonal |
| **Recommended application** | WB, ELISA |
| **Concentration** | 1 mg/ml |
| **Full name** | Phospho-Caveolin-1 (Y14) Antibody |
| **Synonyms** | CAV1; CAV; Caveolin-1 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## Background

The scaffolding protein (caveolin 1) encoded by CAV1 is the main component of the caveolae plasma membranes found in most cell types. Caveolin 1 links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. CAV1 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 CAV1 have been associated with Berardinelli-Seip congenital lipodystrophy. Alternatively spliced transcripts encode alpha and beta isoforms of caveolin 1.

## Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 20000

Not yet tested in other applications.

## Images

No images.

## Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com