



Rabbit Anti-Human CAV1 Polyclonal antibody (CPBT-51552SH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|---------------------------|---|
| Immunogen | Caveolin-1 fusion protein, sequence: GHLYTVPIREQGNIYKPNNKAMADELSEKQVYDAHTKEIDLVNRPKHLNDDVVKIDFED VIAPEGTHSFDGIWKASFTTFTVTKYWFYRLLSALFGIPMALIWGIYFAILSFLHIWAV VPCIKSFLIEIQCISRVYSIYVHTVCDPLFEAVGKIFSNVRINLQKEI (11-179 aa encoded by BC006432) |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Mouse, Rat |
| Purification | Antigen affinity purification |
| Conjugate | Unconjugated |
| Applications | WB, IP, IHC, IF, ELISA |
| Positive Control | A549 cells, HeLa |
| Format | Liquid |
| Size | 50 µl, 100 µl |
| Buffer | PBS with 0.02% sodium azide and 50% glycerol pH 7.3. |
| Preservative | 0.02% Sodium Azide |
| Storage | Store at -20°C. Aliquoting is unnecessary for -20°C storage. |

BACKGROUND

Introduction

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.

Keywords

CAV1; caveolin 1, caveolae protein, 22kDa; CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085; caveolin-1; cell growth-inhibiting protein 32;

GENE INFORMATION

Entrez Gene ID

[857](#)

UniProt ID

[A0A024R757](#)