

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