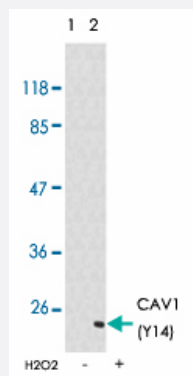


CAV1 (phospho Y14) polyclonal antibody

Catalog # PAB25309 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells, untreated or treated with H₂O₂, using CAV1 (phospho Y14) polyclonal antibody (Cat # PAB25309).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of CAV1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y14 of human CAV1.
Sequence	H-L-Yp-T-V
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 cells, untreated or treated with H₂O₂, using CAV1 (phospho Y14) polyclonal antibody (Cat # PAB25309).

Gene Info — CAV1

Entrez GeneID[857](#)**Protein Accession#**[Q03135](#)**Gene Name**

CAV1

Gene Alias

BSCL3, CAV, CGL3, MSTP085, VIP21

Gene Description

caveolin 1, caveolae protein, 22kDa

Omim ID[601047](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 MAP kinase cascade. CAV1 and CAV2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. By using alternative initiation codons in the same reading frame, two isoforms (alpha and beta) are encoded by a single transcript from this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000025031|caveolae protein, 22-kD|caveolin 1|caveolin 1 caveolae protein, 22kD|caveolin 1, alpha isoform|caveolin 1, beta isoform|caveolin-1 beta isoform protein|cell growth-inhibiting protein 32

Pathway

- [Focal adhesion](#)

Disease

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Arrhythmias](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Atrioventricular Block](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
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- [Edema](#)
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- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)

- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Sick Sinus Syndrome](#)
- [Thrombosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)