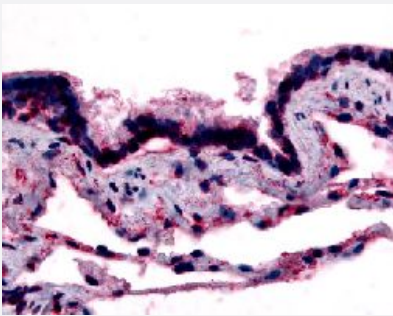


CAV1 polyclonal antibody

Catalog # PAB16295 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human respiratory epithelium (bronchial smooth muscle) with CAV1 polyclonal antibody (Cat # PAB16295).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CAV1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to human CAV1.
Host	Rabbit
Reactivity	Dog, Guinea pig, Human, Monkey
Specificity	N-terminal region of human.
Form	Liquid
Purification	Immunoaffinity purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (15-20 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human respiratory epithelium (bronchial smooth muscle) with CAV1 polyclonal antibody (Cat # PAB16295).

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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- [Liver Cirrhosis](#)
- [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](#)