CAV1 FISH Probe

Catalog # FA0200 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
Notice	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Supplied Products	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — CAV1

Entrez GeneID	857
Gene Name	CAV1
Gene Alias	BSCL3, CAV, CGL3, MSTP085, VIP21

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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

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- Colorectal Neoplasms
- Coronary Artery Disease
- Diabetes Mellitus
- Edema
- Fibrosis
- Genetic Predisposition to Disease
- Glaucoma
- Head and Neck Neoplasms
- Hypertension
- 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

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