CAV1 (Human) Cell-Based ELISA Kit

Catalog # KA2645 Size 1 Kit

Specification

Product Description	CAV1 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative deter mination of CAV1 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

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

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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

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- 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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