Rabbit Anti-CAV1 Polyclonal Antibody

CPB-654RH Rabbit(CAV1)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-CAV1 Polyclonal Antibody
Antigen Description	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.
specificity	The antibody detects endogenous level of Caveolin-1 only when phosphorylated at tyrosine 14.
Target	CAV1
Immunogen	Peptide sequence around phosphorylation site of tyrosine 14 (H-L-Y(p)-T-V) derived from Human CAV1.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA,WB

PACKAGING

Format	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	CAV1 caveolin 1, caveolae protein, 22kDa [Homo sapiens]
Official Symbol	CAV1
Synonyms	CAV1; caveolin 1, caveolae protein, 22kDa; CAV, caveolin 1, caveolae protein, 22kD; caveolin-1; cell growth-inhibiting protein 32; CGL3; BSCL3; VIP21; MSTP085;
GeneID	857
mRNA Refseq	NM_001172895
Protein Refseq	NP_001166366
MIM	601047
UniProt ID	Q03135
Chromosome Location	7q31

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Pathway	ALK1 signaling events, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism -specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Basigin interactions, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem;
Function	cholesterol binding; kinase binding; nitric-oxide synthase binding; patched binding; peptidase activator activity; protein binding; protein complex scaffold; receptor binding; structural molecule activity; syntaxin binding;

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