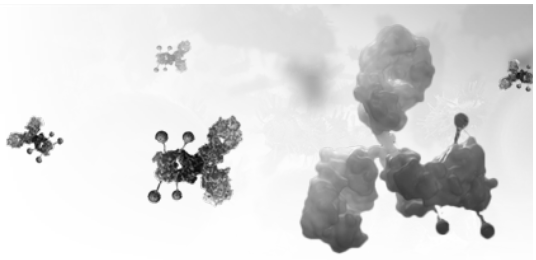

Human CAV1 blocking peptide (CDBP0700)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Caveolin 1 antibody
Antigen Description	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 mitogen-activated kinase cascade. Caveolin 1 and caveolin 2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Mutations in this gene have been associated with Berardinelli-Seip congenital lipodystrophy. Alternatively spliced transcripts encode alpha and beta isoforms of caveolin 1.[provided by RefSeq, Mar 2010]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	CAV1 caveolin 1, caveolae protein, 22kDa [Homo sapiens (human)]
Official Symbol	CAV1

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Synonyms	CAV1; caveolin 1, caveolae protein, 22kDa; CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085; caveolin-1; cell growth-inhibiting protein 32;
Entrez Gene ID	857
mRNA Refseq	NM_001172895.1
Protein Refseq	NP_001166366.1
UniProt ID	Q2TNI1
Chromosome Location	7q31.1
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; Direct p53 effectors, organism-specific biosystem; EGFR1 Signa
Function	cholesterol binding; enzyme binding; nitric-oxide synthase binding; patched binding; peptidase activator activity; protein binding; protein complex scaffold; receptor binding; structural molecule activity;

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