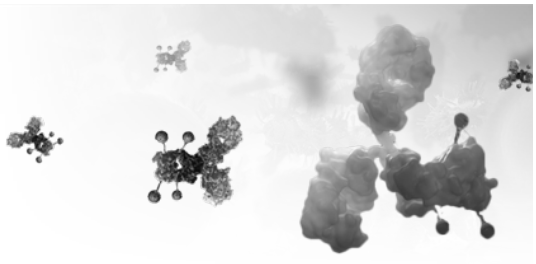

CAV2 peptide (DAG-P0253)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a major component of the inner surface of caveolae, small invaginations of the plasma membrane, and is involved in essential cellular functions, including signal transduction, lipid metabolism, cellular growth control and apoptosis. This protein may function as a tumor suppressor. This gene and related family member (CAV1) are located next to each other on chromosome 7, and express colocalizing proteins that form a stable hetero-oligomeric complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Additional isoforms resulting from the use of alternate in-frame translation initiation codons have also been described, and shown to have preferential localization in the cell (PMID:11238462). [provided by RefSeq, May 2011]
Specificity	Expressed in endothelial cells, smooth muscle cells, skeletal myoblasts and fibroblasts.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the caveolin family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CAV2 caveolin 2 [Homo sapiens (human)]
Official Symbol	CAV2

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Synonyms	CAV2; caveolin 2; CAV; caveolin-2; caveolae protein, 20-kD; caveolin 2 isoform a and b;
Entrez Gene ID	858
mRNA Refseq	NM_001206747.1
Protein Refseq	NP_001193676.1
UniProt ID	P51636
Chromosome Location	7q31.1
Pathway	Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Integrin-mediated cell adhesion, organism-specific biosystem; Proteoglycans in cancer, organism-specific biosyste
Function	D1 dopamine receptor binding; phosphoprotein binding; protein binding; protein homodimerization activity; syntaxin binding;

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