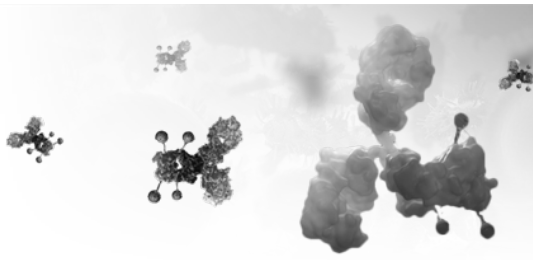

Human CTNNB1 (phospho S33) peptide (DAG-P1379)

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 part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Three transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Oct 2009]
Specificity	Expressed in several hair follicle cell types: basal and peripheral matrix cells, and cells of the outer and inner root sheaths. Expressed in colon.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the beta-catenin family.Contains 12 ARM repeats.
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	CTNNB1 catenin (cadherin-associated protein), beta 1, 88kDa [Homo sapiens (human)]

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Official Symbol	CTNNB1
Synonyms	CTNNB1; catenin (cadherin-associated protein), beta 1, 88kDa; CTNNB; MRD19; armadillo; catenin beta-1;
Entrez Gene ID	1499
mRNA Refseq	NM_001098209.1
Protein Refseq	NP_001091679.1
UniProt ID	P35222
Chromosome Location	3p21
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Adherens junctions interactions, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Androgen receptor signaling pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cell adhesion proteins, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic execution phase, organism-specific biosystem;
Function	I-SMAD binding; R-SMAD binding; RNA polymerase II activating transcription factor binding; SMAD binding; alpha-catenin binding; androgen receptor binding; cadherin binding; chromatin binding; double-stranded DNA binding; enzyme binding; estrogen receptor

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