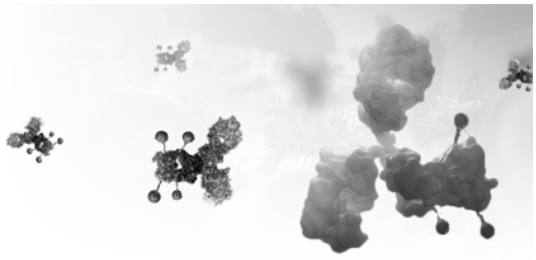

Mouse AXIN2 peptide (DAG-P1291)

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

PRODUCT INFORMATION

Antigen Description	The Axin-related protein, Axin2, presumably plays an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway, like its rodent homologs, mouse conductin/rat axil. In mouse, conductin organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and conductin, which leads to the degradation of beta-catenin. Apparently, the deregulation of beta-catenin is an important event in the genesis of a number of malignancies. The AXIN2 gene has been mapped to 17q23-q24, a region that shows frequent loss of heterozygosity in breast cancer, neuroblastoma, and other tumors. Mutations in this gene have been associated with colorectal cancer with defective mismatch repair. [provided by RefSeq, Jul 2008]
Specificity	Expressed in brain and lymphoblast.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 DIX domain.Contains 1 RGS domain.
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	AXIN2 axin 2 [Homo sapiens (human)]
Official Symbol	AXIN2
Synonyms	AXIN2; axin 2; AXIL; ODCRCS; axin-2; conductin; axin-like protein; axis inhibition protein 2;

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Entrez Gene ID	8313
mRNA Refseq	NM_004655.3
Protein Refseq	NP_004646.3
UniProt ID	Q9Y2T1
Chromosome Location	17q23-q24
Pathway	Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Colorectal cancer, organism-specific biosystem; Colorectal cancer, conserved biosystem; Endometrial cancer, organism-specific biosystem; Endometrial cancer, conserved biosystem; Hippo signaling pathway, organism-specific biosystem; Hippo signaling pathway, conserved biosystem; Neural Crest Differentiation, organism-specific biosystem; Pathway
Function	GTPase activator activity; I-SMAD binding; armadillo repeat domain binding; beta-catenin binding; beta-catenin binding; enzyme binding; protein binding; protein kinase binding; signal transducer activity; ubiquitin protein ligase binding;

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