CD Creative Diagnostics®

AXIN2 blocking peptide (CDBP5147)

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]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

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

Entrez Gene ID	8313
mRNA Refseq	NM_004655
Protein Refseq	NP_004646
UniProt ID	Q9Y2T1
Pathway	Basal cell carcinoma; Canonical Wnt signaling pathway; Colorectal cancer; Disease; Endometrial cancer; Hippo signaling pathway; Neural Crest Differentiation; Pathways in cancer
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