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AXIN2 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP5416b

Specification

AXIN2 Blocking Peptide (C-term) - Product Information

Primary Accession	Q9Y2T1
Other Accession	O70240, O88566, NP_004646.3

AXIN2 Blocking Peptide (C-term) - Additional Information

Gene ID 8313

Other Names
Axin-2, Axin-like protein, Axil, Axis inhibition protein 2, Conductin, AXIN2

Target/Specificity
The synthetic peptide sequence is selected from aa 831-843 of HUMAN AXIN2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AXIN2 Blocking Peptide (C-term) - Protein Information

Name AXIN2

Function
Inhibitor of the Wnt signaling pathway. Down-regulates beta- catenin. Probably facilitate the phosphorylation of beta-catenin and APC by GSK3B.

Cellular Location
Cytoplasm.

Tissue Location
Expressed in brain and lymphoblast.

AXIN2 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

AXIN2 Blocking Peptide (C-term) - Images

AXIN2 Blocking Peptide (C-term) - Background

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.

AXIN2 Blocking Peptide (C-term) - References

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