

AXIN2 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP5416b**Specification**

AXIN2 Blocking Peptide (C-term) - Product Information

Primary Accession [O9Y2T1](#)
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

Inkster, B., et al. Neuroimage (2010) In press :
Guey, L.T., et al. Eur. Urol. 57(2):283-292(2010)
Couch, F.J., et al. Cancer Epidemiol. Biomarkers Prev. 19(1):251-257(2010)
Hosgood, H.D. III, et al. Respir Med 103(12):1866-1870(2009)
Olschwang, S., et al. J Oncol 2009, 306786 (2009) :
Dong, X., et al. Cytogenet. Cell Genet. 93 (1-2), 26-28 (2001) :
Liu, W., et al. Nat. Genet. 26(2):146-147(2000)
von Kries, J.P., et al. Nat. Struct. Biol. 7(9):800-807(2000)
Kikuchi, A. Cytokine Growth Factor Rev. 10 (3-4), 255-265 (1999) :
Mai, M., et al. Genomics 55(3):341-344(1999)