

Product datasheet

Recombinant Human Axin 2 protein ab92262

1 图像

概述

| | |
|------|------------------|
| 产品名称 | 重组人Axin 2蛋白 |
| 蛋白长度 | Protein fragment |

描述

| | |
|----|------------------|
| 性质 | Recombinant |
| 来源 | Escherichia coli |

氨基酸序列

| | |
|-----|--|
| 种属 | Human |
| 序列 | RASPDSPLTRWTKSLHSL LGDQDGAYLFRFTFLEREKCVDTLDFWFACNG FRQMNLKDTKTLRVAKAIYKRYIENNSIVSKQLKPATKTYIRDGIKKQQ IDSIMFDQAQTEIQSVMEENAYQMFLTSDIYLEYVRS GGENTAYMSNG G LGSLKVVCGYLPTLN EEEEWTCADFKCKLSPTVVGLSSKTLRATASV RS TETVDSGYRSFKRSDPVNYPYHIGSGYVFAPATSANDSEISSDALTD DSM SMTDSSVDGIPPYRVGSKKQLQREMHRSVKANGQVSLPHFPRTHR LPKE MTPVEPATFAAELISRLEKLELESRHSLEERLQQUIREDEERE GSELT LNSREGAPTQHPLS |
| 氨基酸 | 68 to 424 |

技术指标

Our [Abpromise guarantee](#) covers the use of **ab92262** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|----|-------------|
| 应用 | SDS-PAGE |
| 形式 | Lyophilised |

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

Preservative: None

Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

复溶

Reconstitute with 67 µl aqua dest.

常规信息

功能

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

组织特异性

Expressed in brain and lymphoblast.

疾病相关

Defects in AXIN2 are involved in colorectal cancer (CRC) [MIM:114500]. They appear to be specifically associated with defective mismatch repair.

Defects in AXIN2 are the cause of oligodontia-colorectal cancer syndrome (ODCRCS) [MIM:608615]. Affected individuals manifest severe tooth agenesis and colorectal cancer or precancerous lesions of variable types.

序列相似性

Contains 1 DIX domain.

Contains 1 RGS domain.

结构域

The tankyrase-binding motif (also named TBD) is required for interaction with tankyrase TNKS and TNKS2.

翻译后修饰

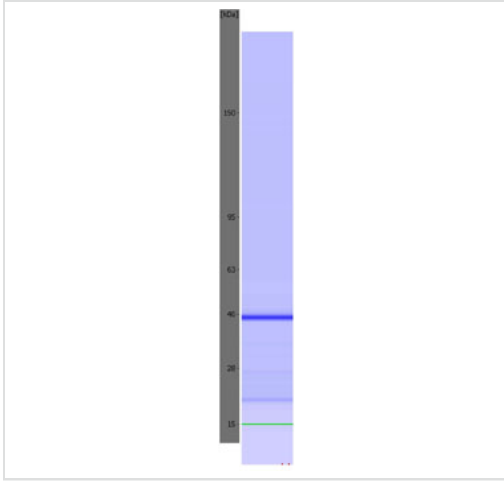
Probably phosphorylated by GSK3B and dephosphorylated by PP2A.

ADP-ribosylated by tankyrase TNKS and TNKS2. Poly-ADP-ribosylated protein is recognized by RNF146, followed by ubiquitination and subsequent activation of the Wnt signaling pathway. Ubiquitinated by RNF146 when poly-ADP-ribosylated, leading to its degradation and subsequent activation of the Wnt signaling pathway. Deubiquitinated by USP34, deubiquitinated downstream of beta-catenin stabilization step: deubiquitination is important Wnt signaling to positively regulate beta-catenin (CTNBB1)-mediated transcription.

细胞定位

Cytoplasm.

图片



SDS-PAGE - Axin 2 protein (Tagged-His Tag)
(ab92262)

The image shows an electrophoretic assay performed using an Agilent 5100 ALP. In some images coloured control bands can be seen at 15 kDa (green) and/or 240 kDa (purple). The protein-specific band is blue.

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