

## Product datasheet

# Recombinant Human Axin 2 protein ab92262

### 1 图像

#### 描述

产品名称	重组人Axin 2蛋白
表达系统	Escherichia coli
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	RASPDSPLTRWTKSLHSLLDGQDGAYLFRTFLEREKCVDTLD FWFACNG FRQMNLDKTKLRVAKAIYKRYIENNSIVSKQLKPATKTYIR DGIKKQQ IDSIMFDQAQTEIQSVMEENAYQMFLTSDIYLEYVRSGGENT AYMSNG G LGSLKVVCGYLPTLNEEEEWTCADFKCKLSPTVVGLSSKTLR ATASV RS TETVDSGYRSFKRSDPVNPHYIGSGYVFAPATSANDSEISSD ALTD DSM SMTDSSVDGIPPYRVGSKKQLQREMHRSVKANGQVSLPHFPR THR LPKE MTPVEPATFAAELISRLEKLELESRHSLEERLQQIREDEE RE 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	Lyophilized

#### 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.

pH: 4.50

Constituents: 0.5% Trehalose, 36% Urea, 1.64% Sodium phosphate, 0.058% Sodium chloride

## 复溶

Reconstitute with 67  $\mu$ l 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

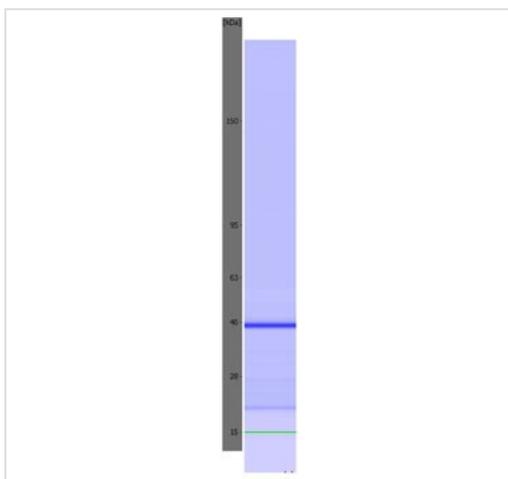
Probably phosphorylated by GSK3B and dephosphorylated by PP2A.

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



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.

SDS-PAGE - Recombinant Human Axin 2 protein  
(ab92262)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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