

# Anti-Axin 2 antibody ab107613

★★★★☆ [1 Abreviews](#) [2 References](#) [4 图像](#)

### 概述

<b>产品名称</b>	Anti-Axin 2抗体
<b>描述</b>	兔多克隆抗体to Axin 2
<b>宿主</b>	Rabbit
<b>特异性</b>	ab107613 antibody is predicted to not cross-react with Axin 1. At least four isoforms of Axin 2 are known to exist; this antibody will recognize all four.
<b>经测试应用</b>	<b>适用于:</b> IHC-P, WB
<b>种属反应性</b>	<b>与反应:</b> Mouse
<b>免疫原</b>	Synthetic peptide corresponding to Human Axin 2 (C terminal). The immunogen is located within amino acids 780 - 830 of Axin 2.
<b>阳性对照</b>	WB: Mouse lung tissue lysate. IHC-P: Mouse lung and colon tissue.
<b>常规说明</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>存储溶液</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
<b>纯度</b>	Immunogen affinity purified
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

## 应用

### The Abpromise guarantee

**Abpromise™** 承诺保证使用ab107613于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★☆ (1)	Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 94 kDa.

## 靶标

### 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.

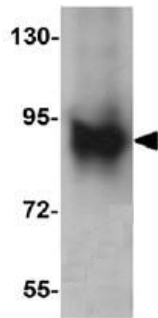
ADP-ribosylated by tankyrase TNKS and TNKS2. Poly-ADP-ribosylated protein is recognized by RNF146, followed by ubiquitination and subsequent activation of the Wnt signaling pathway.

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.

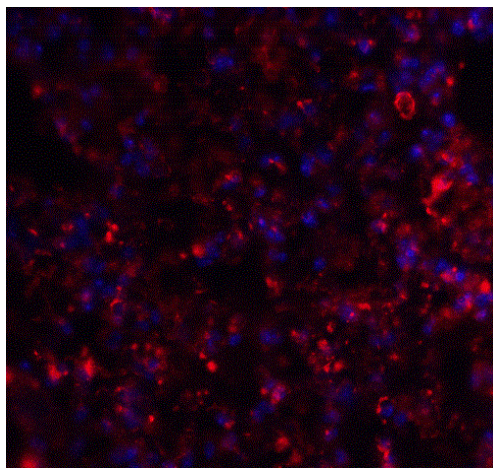
## 图片



Western blot - Anti-Axin 2 antibody (ab107613)

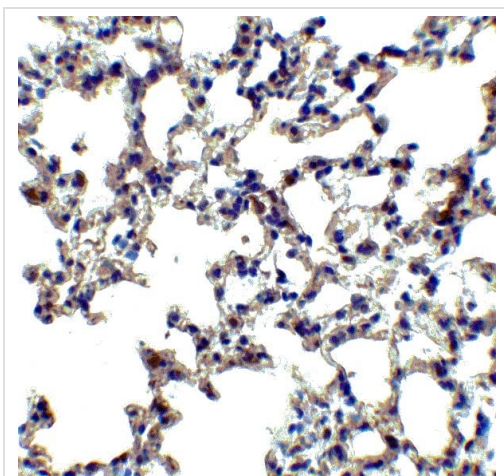
Anti-Axin 2 antibody (ab107613) at 1  $\mu\text{g/ml}$  + Mouse lung tissue lysate at 15  $\mu\text{g}$

**Predicted band size:** 94 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Axin 2 antibody (ab107613)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of mouse lung tissue staining Axin 2 with ab107613 at 20  $\mu\text{g/mL}$ .



Immunohistochemistry (Formalin-fixed paraffin embedded sections) of mouse lung tissue labeling Axin 2 with Anti-Axin 2 antibody (ab107613) at 5µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Axin 2 antibody (ab107613)



ab107613 staining Axin 2 in Mouse colon tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 10% serum for 60 minutes at 25°C; antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/500) for 18 hours at 4°C. A Biotin-conjugated Goat anti-rabbit polyclonal (1/800) was used as the secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Axin 2 antibody (ab107613)

This image is courtesy of an anonymous Abreview

## **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors