


Anti-Axin 2 antibody ab32197

★★★★☆ [15 Abreviews](#) [86 References](#) [3 图像](#)

概述

产品名称	Anti-Axin 2抗体
描述	兔多克隆抗体to Axin 2
宿主	Rabbit
特异性	Milk blocking not recommended
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Chicken 
免疫原	Synthetic peptide corresponding to Mouse Axin 2 aa 800 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab32196)
常规说明	<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&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p> <p>Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.</p>
纯度	Immunogen affinity purified

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab32197于以下的经测试应用

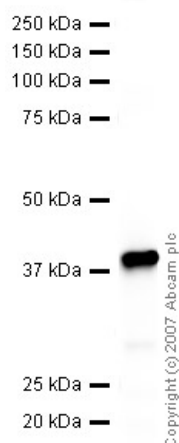
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (5)	Use a concentration of 0.1 - 1 µg/ml.
WB	★★★★★ (4)	Use a concentration of 1 µg/ml. Detects a band of approximately 94 kDa (predicted molecular weight: 94 kDa) in endogenous lysates. Ab32197 gave a positive signal against the tagged partial recombinant protein which has an expected molecular weight of 37 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 (ab32197)

Anti-Axin 2 antibody (ab32197) at 1 µg/ml + AXIN2 partial recombinant tagged protein at 0.1 µg

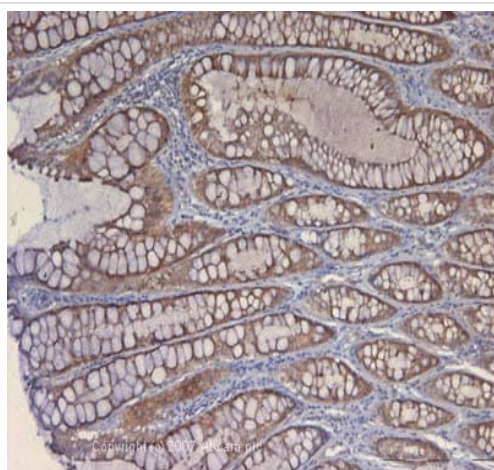
Secondary

IRDye 680 Conjugated Goat Anti-Rabbit IgG at 1/10000 dilution

Performed under reducing conditions.

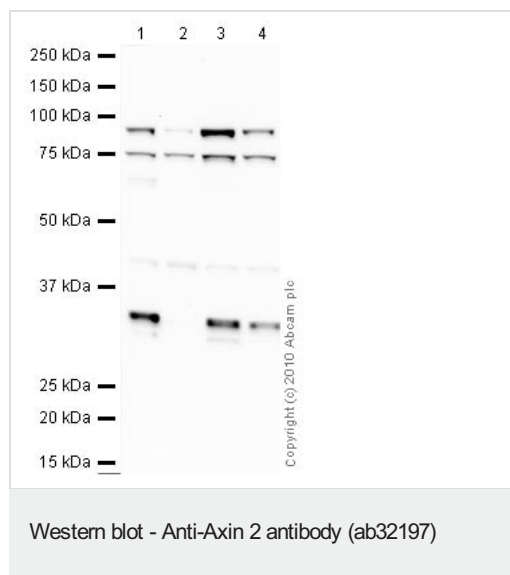
Predicted band size: 94 kDa

ab32197 gave a positive signal against the tagged partial recombinant protein which has an expected molecular weight of 37 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Axin 2 antibody (ab32197)

IHC image of ab32197 stained area of normal tissue in a human colorectal cancer FFPE section. Section was pre-treated using pressure cooker heat mediated antigen retrieval with sodium citrate buffer (pH6) for 30 seconds at 125°C. Section was incubated with ab32197 at a dilution of 1:500 for 1h at room temperature and detected using an HRP conjugated polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



All lanes : Anti-Axin 2 antibody (ab32197) at 1 µg/ml

Lane 1 : SW480 (Human colon adenocarcinoma cell line) Whole Cell Lysate

Lane 2 : Colon (Mouse) Tissue Lysate

Lane 3 : HCT 116 (Human Colorectal Carcinoma) Whole Cell Lysate

Lane 4 : LS147T (Colon cancer cells) (Human) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) ([ab65484](#)) at 1/3000 dilution

Performed under reducing conditions.

Predicted band size: 94 kDa

Observed band size: 94 kDa

Additional bands at: 32 kDa, 75 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 16 minutes

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

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