


Anti-Axin 2 antibody ab32197

★★★★☆ **15 Abreviews** **86 References** 画像数 3

製品の概要

製品名	Anti-Axin 2 antibody
製品の詳細	Rabbit polyclonal to Axin 2
由来種	Rabbit
特異性	Milk blocking not recommended
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Mouse, Human 交差が予測される動物種: 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)
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	<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>
精製度	Immunogen affinity purified

ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

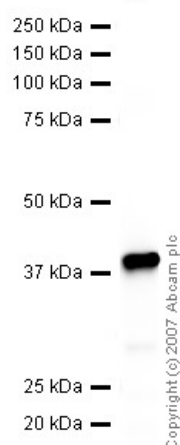
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab32197の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	Inhibitor of the Wnt signaling pathway. Down-regulates beta-catenin. Probably facilitate the phosphorylation of beta-catenin and APC by GSK3B.
組織特異性	Expressed in brain and lymphoblast.
関連疾患	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.
配列類似性	Contains 1 DIX domain. Contains 1 RGS domain.
ドメイン	The tankyrase-binding motif (also named TBD) is required for interaction with tankyrase TNKS and TNKS2.
翻訳後修飾	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.
細胞内局在	Cytoplasm.

画像



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

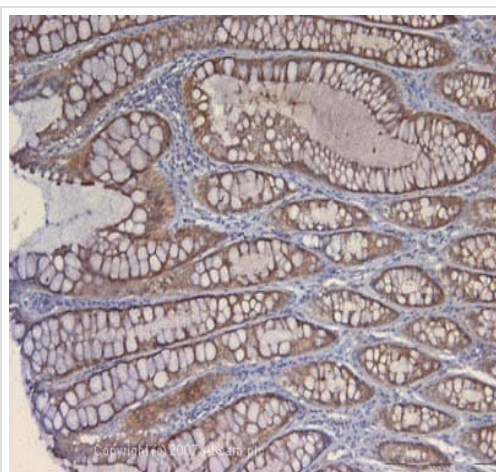
Secondary

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

Performed under reducing conditions.

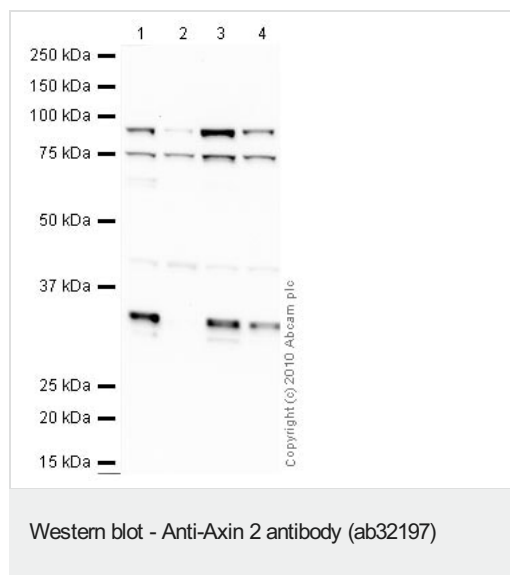
Predicted band size: 94 kDa

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

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