abcam

Product datasheet

Anti-Patched / PTCH1 antibody ab109096

★★★★★ 1 Abreviews 3 References 画像数 2

製品の概要

製品名 Anti-Patched / PTCH1 antibody

製品の詳細 Goat polyclonal to Patched / PTCH1

由来種 Goat

特異性 ab109096 is expected to recognise all reported isoforms. Variants (NP 001077073.1;

 $NP_001077074.1$; $NP_001077075.1$; $NP_001077076.1$ encode the same isoform.

アプリケーション 適用あり: ICC/IF, IHC-P

種交差性 交差種: Human

交差が予測される動物種: Rat, Chicken, Xenopus laevis 🔥

免疫原 Synthetic peptide corresponding to Human Patched/ PTCH1 aa 1400 to the C-terminus (C

terminal).

Database link: Q13635

Run BLAST with
Run BLAST with

ポジティブ・コントロール Human Colon tissue.

特記事項 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.

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

製品の特性

製品の状態 Liquid

保存方法 Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

バッファー pH: 7.30

Preservative: 0.02% Sodium azide

Constituents: Tris buffered saline, 0.5% BSA

精製度 Immunogen affinity purified

特記事項(精製) ab109096 is purified from Goat serum by ammonium sulphate precipitation followed by antigen

affinity chromatography using the immunizing peptide.

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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 <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab109096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
ICC/IF		Use a concentration of 10 μg/ml.
IHC-P	★★★★ (1)	Use a concentration of 8 - 0 µg/ml. Steamed antigen retrieval with citrate buffer pH 6.

ターゲット情報

機能 Acts as a receptor for sonic hedgehog (SHH), indian hedgehog (IHH) and desert hedgehog

(DHH). Associates with the smoothened protein (SMO) to transduce the hedgehog's proteins signal. Seems to have a tumor suppressor function, as inactivation of this protein is probably a

necessary, if not sufficient step for tumorigenesis.

組織特異性 In the adult, expressed in brain, lung, liver, heart, placenta, skeletal muscle, pancreas and kidney.

Expressed in tumor cells but not in normal skin.

関連疾患 Defects in PTCH1 are probably the cause of basal cell nevus syndrome (BCNS) [MIM:109400];

also known as Gorlin syndrome or Gorlin-Goltz syndrome. BCNS is an autosomal dominant

disease characterized by nevoid basal cell carcinomas (NBCCS) and developmental

abnormalities such as rib and craniofacial alterations, polydactyly, syndactyly, and spina bifida. In addition, the patients suffer from a multitude of tumors like basal cell carcinomas (BCC), fibromas of the ovaries and heart, cysts of the skin, jaws and mesentery, as well as medulloblastomas and

meningiomas. PTCH1 is also mutated in squamous cell carcinoma (SCC). Could also be

associated with large body size observed in BCNS patients.

Defects in PTCH1 are a cause of sporadic basal cell carcinoma (BCC) [MIM:605462]. Defects in PTCH1 are the cause of holoprosencephaly type 7 (HPE7) [MIM:610828].

 $\label{thm:most common structural anomaly of the brain, in the most common structural anomaly of the brain, in (10.00) and (10.00) is the most common structural anomaly of the brain, in (10.00) is the most common structural anomaly of the brain, in (10.00) is the most common structural anomaly of the brain, in (10.00) is the most common structural anomaly of the brain, in (10.00) is the most common structural anomaly of the brain, in (10.00) is the most common structural anomaly of the brain, in (10.00) is the most common structural anomaly of the brain, in (10.00) is the most common structural anomaly of the brain, in (10.00) is the most common structural anomaly of the brain, in (10.00) is the most common structural anomaly of the brain and the structural anomaly of the structura$

which the developing forebrain fails to correctly separate into right and left hemispheres.

Holoprosencephaly is genetically heterogeneous and associated with several distinct facies and

phenotypic variability.

配列類似性 Belongs to the patched family.

Contains 1 SSD (sterol-sensing) domain.

発生段階 In the embryo, found in all major target tissues of sonic hedgehog, such as the ventral neural tube,

somites, and tissues surrounding the zone of polarizing activity of the limb bud.

翻訳後修飾 Glycosylation is necessary for SHH binding.

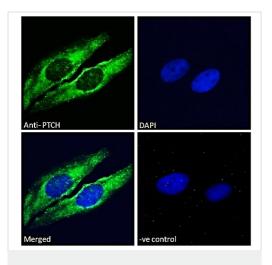
細胞内局在 Membrane.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections) - Anti-Patched / PTCH1 antibody (ab109096)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human cortex tissue labelling Patched / PTCH1 with ab109096 at 8 μ g/mL.



Immunocytochemistry/ Immunofluorescence - Anti-Patched / PTCH1 antibody (ab109096)

Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr at 10 ug/mL followed by Alexa Fluor 488 secondary antibody at 2 ug/mL, showing Golgi/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat lgG at 10 ug/mL followed by Alexa Fluor 488 secondary antibody at 2 ug/mL.

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