abcam

Product datasheet

Anti-LIFR antibody ab101228

★★★★☆ **1 Abreviews**   **9 References**   画像数 2

製品の概要

製品名	Anti-LIFR antibody
製品の詳細	Rabbit polyclonal to LIFR
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P, WB
種交差性	**交差種:** Mouse
	交差が予測される動物種: Rat, Horse, Human, Pig, Chimpanzee, Macaque monkey, Orangutan
免疫原	Synthetic peptide corresponding to Mouse LIFR aa 500-600 conjugated to keyhole limpet haemocyanin. (Peptide available as **ab130816**)
ポジティブ・コントロール	This antibody gave a positive signal in Mouse Placenta tissue lysate and in mouse placenta FFPE tissue sections.
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. 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	pH: 7.40
	Preservative: 0.02% Sodium azide
	Constituent: PBS
	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.

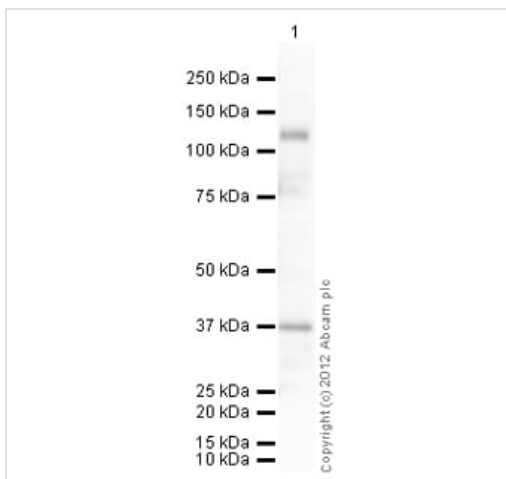| 精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee <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ab101228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	★★★★☆ <u>(1)</u>	Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 122 kDa (predicted molecular weight: 122 kDa).

ターゲット情報

機能	Signal-transducing molecule. May have a common pathway with IL6ST. The soluble form inhibits the biological activity of LIF by blocking its binding to receptors on target cells.
関連疾患	Defects in LIFR are the cause of Stueve-Wiedemann syndrome (SWS) [MIM:601559]; also knowns as Schwartz-Jampel syndrome type 2 (SJS2). SWS is a severe autosomal recessive condition and belongs to the group of the bent-bone dysplasias. SWS is characterized by bowing of the lower limbs, with internal cortical thickening, wide metaphyses with abnormal trabecular pattern, and camptodactyly. Additional features include feeding and swallowing difficulties, as well as respiratory distress and hyperthermic episodes, which cause death in the first months of life. The rare survivors develop progressive scoliosis, spontaneous fractures, bowing of the lower limbs, with prominent joints and dysautonomia symptoms, including temperature instability, absent corneal and patellar reflexes, and smooth tongue. Note=A chromosomal aberration involving LIFR is found in salivary gland pleiomorphic adenomas, the most common benign epithelial tumors of the salivary gland. Translocation t(5;8) (p13;q12) with PLAG1.
配列類似性	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 6 fibronectin type-III domains.
ドメイン	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
細胞内局在	Secreted and Cell membrane.

画像

Western blot - Anti-LIFR antibody (ab101228)

Anti-LIFR antibody (ab101228) at 1 µg/ml + Mouse Placenta Tissue Lysate at 10 µg

Secondary
Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution
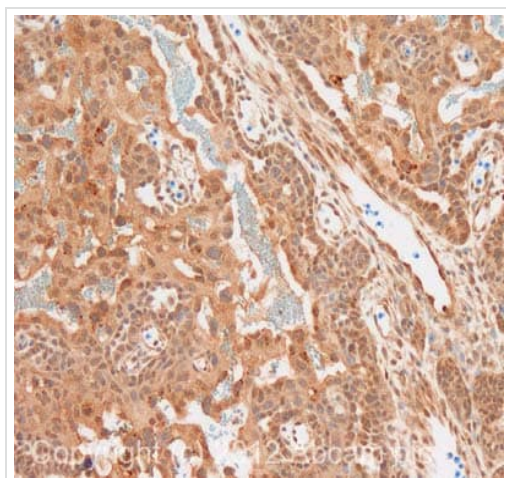
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 122 kDa
Observed band size: 122 kDa
Additional bands at: 37 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 90 seconds

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LIFR antibody (ab101228)

IHC image of LIFR staining in mouse placenta formalin fixed paraffin embedded tissue section, performed on a Leica Bond^{TM} system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab101228, 1µg/ml, for 15 mins at room temperature. A goat anti-rabbit biotinylated secondary antibody was used to detect the primary, and visualized using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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