

Anti-IGF1 antibody ab9572

★★★★★ [8 Abreviews](#) [104 References](#) [画像数 3](#)

製品の概要

製品名	Anti-IGF1 antibody
製品の詳細	Rabbit polyclonal to IGF1
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, IHC-FoFr, WB, Neutralising, IHC-P, Sandwich ELISA
種交差性	交差種: Mouse, Human, Recombinant fragment
免疫原	Recombinant full length protein corresponding to Human IGF1. Highly pure (>98%) recombinant hIGF-1 (human Insulin Like Growth Factor-1). Database link: P05019
ポジティブ・コントロール	IHC-P: Human pancreas and liver tissues.
特記事項	Although some customers have been successful in IHC we no longer batch test in this application. For an IHC validated antibody please see ab263903 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	Lyophilized:Reconstitute with 200µl of sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG
軽鎖の種類	unknown

アプリケーション

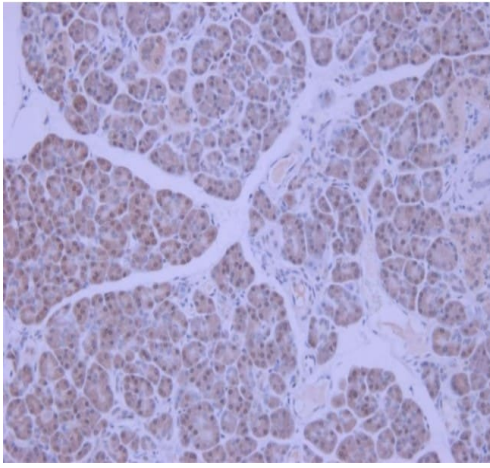
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab9572の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (2)	Use at an assay dependent concentration.
IHC-FoFr	★★★★★ (1)	Use at an assay dependent concentration. PubMed: 28754163
WB	★★★★★ (2)	Use at an assay dependent concentration. Predicted molecular weight: 22 kDa. To detect hIGF-1 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIGF-1 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Neutralising		Use at an assay dependent concentration. To yield one-half maximal inhibition of the biological activity of hIGF-1 (5.0 ng/ml), a concentration of 0.67 - 1.0 µg/ml of this antibody is required.
IHC-P	★★★★★ (1)	Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
Sandwich ELISA		Use a concentration of 0.5 - 2 µg/ml. Can be paired for Sandwich ELISA with Biotin Rabbit polyclonal to IGF1 (ab83137) . Allows for the detection of at least 0.2 - 0.4 ng/well of recombinant IGF1.

ターゲット情報

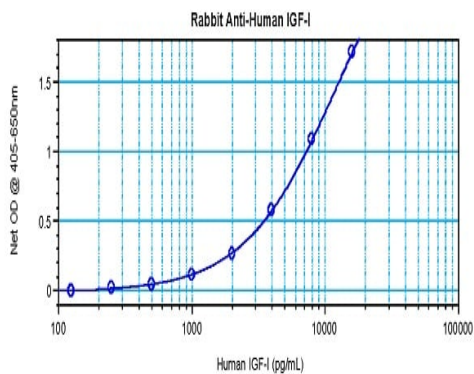
機能	The insulin-like growth factors, isolated from plasma, are structurally and functionally related to insulin but have a much higher growth-promoting activity. May be a physiological regulator of [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblasts. Stimulates glucose transport in rat bone-derived osteoblastic (PyMS) cells and is effective at much lower concentrations than insulin, not only regarding glycogen and DNA synthesis but also with regard to enhancing glucose uptake.
関連疾患	Defects in IGF1 are the cause of insulin-like growth factor I deficiency (IGF1 deficiency) [MIM:608747]. IGF1 deficiency is an autosomal recessive disorder characterized by growth retardation, sensorineural deafness and mental retardation.
配列類似性	Belongs to the insulin family.
細胞内局在	Secreted.
製品の状態	There are 2 isoforms produced by alternative splicing. Isoform 1 also known as: IGF-IB; Isoform 2 also known as: IGF-IA.

画像



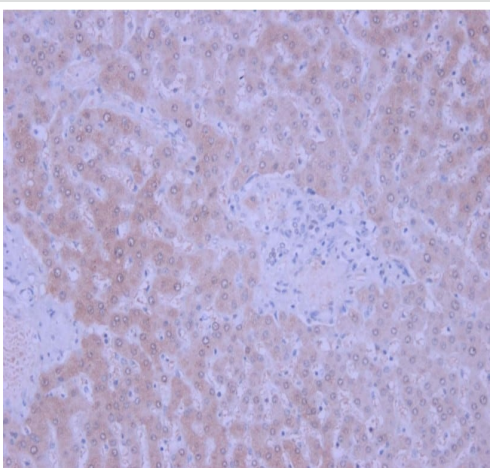
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IGF1 antibody (ab9572)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human pancreas tissue labelling IGF1 with ab9572 at 1 µg/mL (45 minute incubation at room temperature). Heat mediated antigen retrieval was performed using a buffer at pH 6. An HRP-labeled polymer detection system was used with a DAB chromogen.



Sandwich ELISA - Anti-IGF1 antibody (ab9572)

To detect hIGF-I by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human IGF-I as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIGF-I.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IGF1 antibody (ab9572)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue labelling IGF1 with ab9572 at 1 µg/mL (45 minute incubation at room temperature). Heat mediated antigen retrieval was performed using a buffer at pH 6. An HRP-labeled polymer detection system was used with a DAB chromogen.

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