

Anti-IGF1 antibody ab9572

★★★★★ [8 Abreviews](#) [104 References](#) [3 图像](#)

概述

| | |
|-------|---|
| 产品名称 | Anti-IGF1抗体 |
| 描述 | 兔多克隆抗体to IGF1 |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: ICC/IF, IHC-FoFr, WB, Neutralising, IHC-P, Sandwich ELISA |
| 种属反应性 | 与反应: 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 |
| 阳性对照 | IHC-P: Human pancreas and liver tissues. |
| 常规说明 | <p>Although some customers have been successful in IHC we no longer batch test in this application. For an IHC validated antibody please see ab263903</p> <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 | 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. |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. |
| 纯度 | Immunogen affinity purified |
| 克隆 | 多克隆 |
| 同种型 | IgG |
| 轻链类型 | unknown |

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab9572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 |
|----------------|-----------|--|
| 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. |

靶标

功能

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.

疾病相关

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.

序列相似性

Belongs to the insulin family.

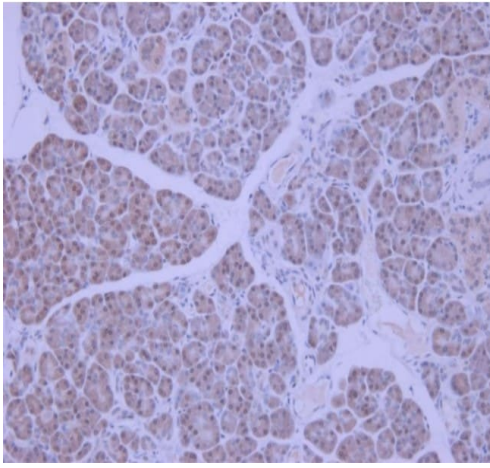
细胞定位

Secreted.

形式

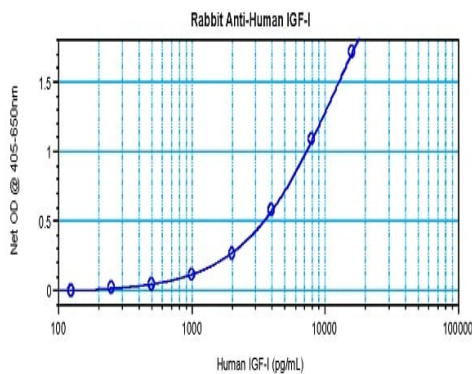
There are 2 isoforms produced by alternative splicing. Isoform 1 also known as: IGF-IB; Isoform 2 also known as: IGF-IA.

图片



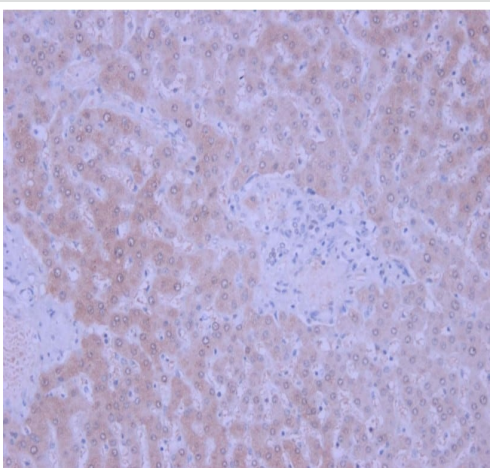
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IGF1 antibody (ab9572)

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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