

Product datasheet

Anti-IGF1 antibody (Biotin) ab83137

概述

产品名称	Anti-IGF1抗体(Biotin)
描述	兔多克隆抗体to IGF1 (Biotin)
偶联物	Biotin
经测试应用	适用于: Sandwich ELISA, WB
种属反应性	与反应: Human
免疫原	Highly pure (>98%) recombinant human IGF1.

性能

形式	Lyophilised:Centrifuge vial prior to opening. Reconstitute in sterile PBS containing 0.1% BSA to a concentration of 1.0 mg/ml.
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: None Constituents: PBS, pH 7.2
纯度	Protein A purified
纯化说明	ab83137 is sterile filtered.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab83137** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab 评论	说明
Sandwich ELISA		Use a concentration of 0.25 - 1 µg/ml. Can be paired for Sandwich ELISA with Rabbit polyclonal to IGF1 (ab9572) . Allows for the detection of at least 0.2 - 0.4 ng/well of recombinant IGF1.

应用	Ab 评论	说明
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WB Use a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIGF-I is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

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.

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