

Anti-IGF1 antibody [EPR5098(2)] ab133542

重组 RabMAb

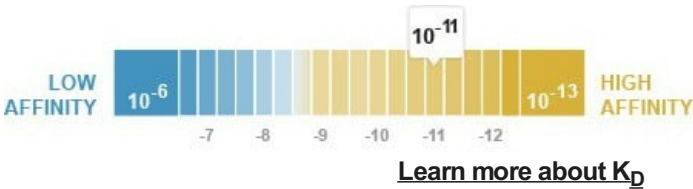
★★★★★ 1 Abreviews 5 References 4 图像

概述

产品名称	Anti-IGF 1抗体[EPR5098(2)]
描述	兔单克隆抗体[EPR5098(2)] to IGF1
宿主	Rabbit
经测试应用	适用于: ELISA, WB 不适用于: IHC-P or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IGF1 recombinant protein
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解离常数 (K <sub>D</sub> )	K <sub>D</sub> = 4.20 x 10 <sup>-11</sup> M



存储溶液	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR5098(2)
同种型	IgG

应用

The Abpromise guarantee

**Abpromise™**承诺保证使用ab133542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
ELISA		Use at an assay dependent concentration.
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 22 kDa. Tested with recombinant protein.

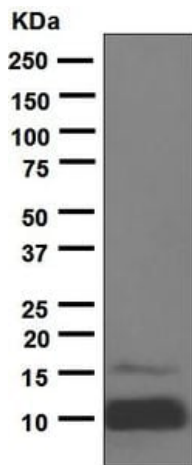
应用说明

Is unsuitable for IHC-P or IP.

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

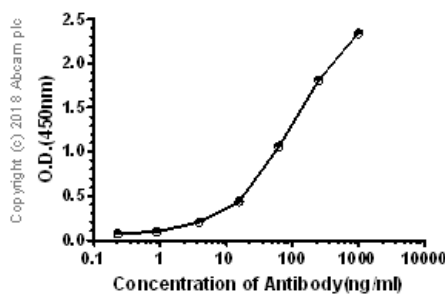


Western blot - Anti-IGF1 antibody [EPR5098(2)]  
(ab133542)

Anti-IGF1 antibody [EPR5098(2)] (ab133542) at 1/1000 dilution +  
Recombinant human IGF-I fragment at 0.005  $\mu$ g

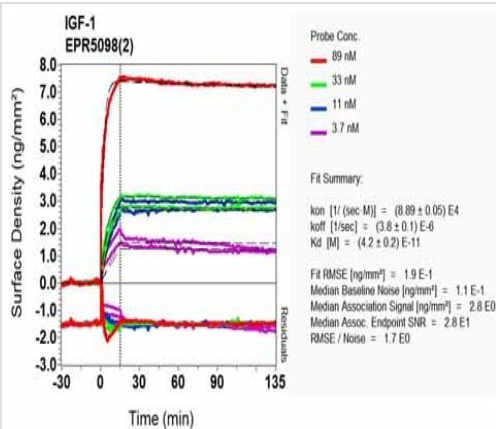
**Predicted band size:** 22 kDa

The recombinant IGF-I fragment corresponds to amino acids 49-118 of human IGF-1 with the molecular weight of 10kDa.



ELISA - Anti-IGF1 antibody [EPR5098(2)]  
(ab133542)

Primary antibody, **ab33542** was used at concentrations between 0.1 - 1000ng/ml. An Alkaline Phosphatase AffiniPure Goat Anti-Rabbit IgG (H+L) was used as the secondary antibody at 1:2500 dilution. Antigen concentration was 1000ng/ml.



OIR-D Scanning - Anti-IGF1 antibody [EPR5098(2)]  
(ab133542)

Equilibrium disassociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-IGF1 antibody [EPR5098(2)] (ab133542)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Extensive multi-media technical resources to help you
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

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