

Product datasheet

Anti-IGF1 antibody [EPR5099] α b134140

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [2 References](#) [3 Images](#)

Overview

Product name	Anti-IGF1 antibody [EPR5099]
Description	Rabbit monoclonal [EPR5099] to IGF1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human IGF1 aa 100-200. The exact sequence is proprietary.
Positive control	IGF1 recombinant protein
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5099
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab134140 in the following tested applications.

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

Application	Abreviews	Notes
WB	★★★★★ (1)	1/20000. Predicted molecular weight: 22 kDa.

Target

Function

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.

Involvement in disease

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.

Sequence similarities

Belongs to the insulin family.

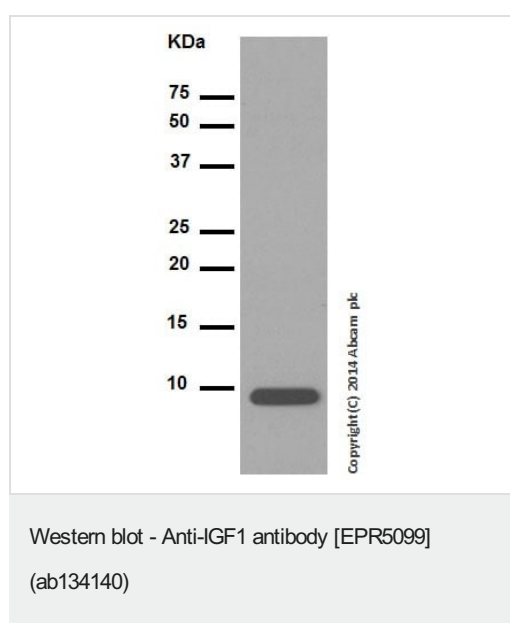
Cellular localization

Secreted.

Form

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

Images



Anti-IGF1 antibody [EPR5099] (ab134140) at 1/20000 dilution (purified) + Human IGF-1 recombinant protein at 10 µg

Secondary

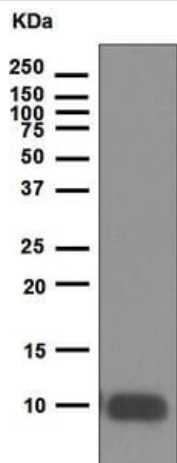
HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 22 kDa

Observed band size: 10 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-IGF1 antibody [EPR5099]
(ab134140)

Anti-IGF1 antibody [EPR5099] (ab134140) at 1/10000 dilution
(unpurified) + IGF1 recombinant protein at 0.005 µg

Secondary

Goat Anti-rabbit HRP at 1/2000 dilution

Predicted band size: 22 kDa

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 [EPR5099] (ab134140)

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

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