

## Product datasheet

# Anti-IGF2 antibody [RM0100-3J42] ab86485

[1 Image](#)

### Overview

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<b>Product name</b>	Anti-IGF2 antibody [RM0100-3J42]
<b>Description</b>	Rat monoclonal [RM0100-3J42] to IGF2
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> Sandwich ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Rat
<b>Immunogen</b>	Recombinant full length Mouse protein
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Constituent: PBS
<b>Purification notes</b>	The IgG fraction of culture supernatant was purified by protein A/G affinity chromatography and 0.2µm filtered.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	RM0100-3J42
<b>Isotype</b>	IgG2

### Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab86485 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
Sandwich ELISA		Use a concentration of 1 µg/ml. Can be paired for Sandwich ELISA with <b>Rabbit polyclonal to IGF2 (ab18954)</b> . For sandwich ELISA, use this antibody as Capture at 1 µg/ml with <b>ab18954</b> as Detection.

## Target

### Function

The insulin-like growth factors possess growth-promoting activity. In vitro, they are potent mitogens for cultured cells. IGF-II is influenced by placental lactogen and may play a role in fetal development.

Preptin undergoes glucose-mediated co-secretion with insulin, and acts as physiological amplifier of glucose-mediated insulin secretion. Exhibits osteogenic properties by increasing osteoblast mitogenic activity through phosphoactivation of MAPK1 and MAPK3.

### Involvement in disease

Epigenetic changes of DNA hypomethylation in IGF2 are a cause of Silver-Russell syndrome (SIRS) [MIM:180860]. SIRS is a clinically heterogeneous condition characterized by severe intrauterine growth retardation, poor postnatal growth, craniofacial features such as a triangular shaped face and a broad forehead, body asymmetry, and a variety of minor malformations.

### Sequence similarities

Belongs to the insulin family.

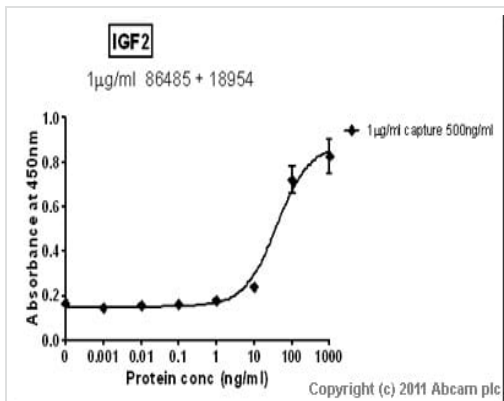
### Post-translational modifications

O-glycosylated with a core 1 or possibly core 8 glycan.

### Cellular localization

Secreted.

## Images



Standard Curve for IGF2 (Analyte: **ab9575**) dilution range 1pg/ml to 1ug/ml using Capture Antibody Rat monoclonal [RM0100-3J42] to IGF2 (ab86485) at 1ug/ml and Detector Antibody Rabbit polyclonal to IGF2 (**ab18954**) at 0.5ug/ml.

Sandwich ELISA - Anti-IGF2 antibody [RM0100-3J42] (ab86485)

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

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