

# Anti-IGF2 antibody ab10730

## 概述

产品名称	Anti-IGF2抗体
描述	山羊多克隆抗体to IGF2
特异性	Anti-Human IGF II will neutralize the biological activity of rhIGF II. It does not neutralize the biological activity of rhIGF I. By ELISA, the antibody shows no cross-reactivity with other cytokines tested.
经测试应用	适用于: ELISA, WB, Neutralising
种属反应性	与反应: Human
免疫原	Recombinant full length protein (Human).

## 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

## 应用

Our [Abpromise guarantee](#) covers the use of **ab10730** 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
ELISA		Use a concentration of 0.5 - 1 µg/ml. 0.5-1 µg/ml antibody detects 3 ng/well of rhIGF-II.
WB		Use a concentration of 0.1 - 0.2 µg/ml. Predicted molecular weight: 20 kDa. 0.1-0.2 µg/ml antibody detects rhIGF-II at 2 ng/lane under non-reducing and reducing conditions.
Neutralising		Use a concentration of 0.025 - 0.075 µg/ml.

## 靶标

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<b>功能</b>	<p>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.</p> <p>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.</p>
<b>疾病相关</b>	<p>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.</p>
<b>序列相似性</b>	<p>Belongs to the insulin family.</p>
<b>翻译后修饰</b>	<p>O-glycosylated with a core 1 or possibly core 8 glycan.</p>
<b>细胞定位</b>	<p>Secreted.</p>

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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