

## Product datasheet

# 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 rhIGFI. 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<br>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. |

| 应用           | Ab 评论 | 说明  |
|--------------|-------|---|
| Neutralising |       | Use a concentration of 0.025 - 0.075 µg/ml. |

## 靶标

|              |  |
|--------------|--|
| <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>   |

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

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