Anti-CTRP4 antibody ab36871

Overview

**Product name**  |  Anti-CTRP4 antibody
**Description**  |  Rabbit polyclonal to CTRP4
**Host species**  |  Rabbit
**Tested applications**  |  Suitable for: WB, IHC-P, ICC/IF
**Species reactivity**  |  Reacts with: Mouse, Rat, Human
**Immunogen**  |  A 16 amino acid peptide from near the carboxy terminus of human CTRP4.
**Positive control**  |  Rat brain cell lysate.

Properties

**Form**  |  Liquid
**Storage instructions**  |  Shipped at 4°C. Store at +4°C.
**Storage buffer**  |  Preservative: 0.02% Sodium azide
  |  Constituent: PBS
**Purity**  |  Immunogen affinity purified
**Clonality**  |  Polyclonal
**Isotype**  |  IgG

Applications

Our Abpromise guarantee covers the use of ab36871 in the following tested applications.

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

<table>
<thead>
<tr>
<th>Application</th>
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<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 - 4 µg/ml. Detects a band of approximately 35 kDa (predicted molecular weight: 37 kDa). Can be blocked with Human CTRP4 peptide (ab39741).</td>
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<td>IHC-P</td>
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<td>Use a concentration of 10 µg/ml.</td>
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<tr>
<td>ICC/IF</td>
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<td>Use a concentration of 20 µg/ml.</td>
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Adipose tissue of an organism plays a major role in regulating physiologic and pathologic processes such as metabolism and immunity by producing and secreting a variety of bioactive molecules termed adipokines. One highly conserved family of adipokines is adiponectin/ACRP30 and its structural and functional paralogs, the C1q/tumor necrosis factor-alpha-related proteins (CTRPs) 1-7. Unlike adiponectin, which is expressed exclusively by differentiated adipocytes, the CTRPs are expressed in a wide variety of tissues. These proteins are thought to act mainly on liver and muscle tissue to control glucose and lipid metabolism. An analysis of the crystal structure of adiponectin revealed a structural and evolutionary link between TNF and C1q-containing proteins, suggesting that these proteins arose from a common ancestral innate immunity gene. Multiple isoforms of mouse CTRP4 have been reported.

**Cellular localization**

Secreted

**Images**

Lane 1: Anti-CTRP4 antibody (ab36871) at 1 µg/ml
Lane 2: Anti-CTRP4 antibody (ab36871) at 2 µg/ml
Lane 3: Anti-CTRP4 antibody (ab36871) at 4 µg/ml

All lanes: Rat brain cell lysate

Lysates/proteins at 15 µg/ml per lane.

**Secondary**

All lanes: anti-rabbit IgG HRP at 1/10000 dilution

**Predicted band size:** 37 kDa
**Observed band size:** 35 kDa

*why is the actual band size different from the predicted?*

Lanes read from left to right 1, 2 and 3. These proteins are often highly modified post-translationally and may migrate in SDS-PAGE at positions other than their predicted size.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CTRP4 antibody (ab36871)

**ab36891** at 10µg/ml staining CTRP4 in rat brain by IHC

Immunofluorescence of CTRP4 in Rat Brain cells using ab36871 at 20 µg/ml.

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

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