### Overview

**Product name**: Anti-Calcitonin receptor/CT-R antibody

**Description**: Rabbit polyclonal to Calcitonin receptor/CT-R

**Host species**: Rabbit

**Specificity**: The calcitonin receptor/CT-R is a seven transmembrane domain cell surface protein which is coupled to G protein messenger systems. This antibody recognises an epitope within the cytoplasmic domain that is common to both C1a and C1b rat isoforms.

**Tested applications**: Suitable for: IHC-Fr, WB, ELISA, IHC-FoFr, IHC-P

**Species reactivity**: Reacts with: Mouse, Rat, Human

**Immunogen**: Synthetic peptide corresponding to Rat Calcitonin receptor/CT-R aa 478-496.

Sequence:

GLPMYCHQPRNPPVSNN

Database link: P32214

**General notes**: Should this product contain a precipitate we recommend microcentrifugation before use.

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.

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&As

### Properties

**Form**: Liquid

**Storage instructions**: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Storage buffer**: Preservative: 0.09% Sodium azide

Constituent: PBS

**Purity**: Protein A purified
Purification notes

Purified IgG was prepared from whole serum by affinity chromatography.

Clonality

Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our Abpromise guarantee covers the use of ab11042 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>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-Fr</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 - 10 µg/ml. Predicted molecular weight: 57 kDa.</td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>IHC-FoFr</td>
<td>★★★★★ (1)</td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use at an assay dependent concentration. We recommend the use of 4% paraformaldehyde fixation, rather than formalin fixation. A sensitive detection system is also recommended. e.g. A catalysed signal amplification system. This product does not require protein digestion pre-treatment. This product does not require antigen retrieval using heat treatment prior to staining of paraffin embedded sections.</td>
</tr>
</tbody>
</table>

Target

Function

This is a receptor for calcitonin. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. The calcitonin receptor is thought to couple to the heterotrimeric guanosine triphosphate-binding protein that is sensitive to cholera toxin.

Sequence similarities

Belongs to the G-protein coupled receptor 2 family.

Cellular localization

Cell membrane.

Images
Anti-Calcitonin receptor/CT-R antibody (ab11042) + Rat brain tissue lysate

**Secondary**
Goat Anti-rabbit IgG (HRP)

Performed under reducing conditions.

**Predicted band size:** 57 kDa

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

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**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

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