Datasheet: AHP635

**Description:** RABBIT ANTI RAT CALCITONIN RECEPTOR

**Specificity:** CALCITONIN RECEPTOR

**Format:** Purified

**Product Type:** Polyclonal Antibody

**Isotype:** Polyclonal IgG

**Quantity:** 0.1 mg

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**Product Details**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.abdserotec.com/protocols](http://www.abdserotec.com/protocols).

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
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<tr>
<td>Immunohistology - Frozen</td>
<td>✔</td>
<td></td>
<td></td>
<td>1/10 - 1/50</td>
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<tr>
<td>Immunochemistry - Paraffin(1)</td>
<td>✔</td>
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<td></td>
<td>1/10 - 1/50</td>
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<tr>
<td>ELISA</td>
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<td></td>
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<td>1/10,000</td>
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<tr>
<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
<td></td>
<td>✔</td>
<td></td>
<td>Reducing conditions</td>
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<tr>
<td>Immunofluorescence</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) *The use of 4% paraformaldehyde fixation, rather than formalin fixation is recommended.*

A sensitive detection system is also recommended. e.g. A catalysed signal amplification system.

**Target Species** Rat

**Species Cross Reactivity** Reacts with: Mouse, Human, Fish, Atlantic Stingray

**N.B.** Antibody reactivity and working conditions may vary between species.

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antisera to calcitonin receptor were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on Protein A.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide
Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen

Synthetic peptide derived from a C-terminal sequence of rat calcitonin receptor.

External Database Links

UniProt: P32214  Related reagents

Entrez Gene: 116506  Calcr  Related reagents

Specificity

Rabbit anti Rat Calcitonin Receptor antibody recognizes the calcitonin receptor in human, mouse and rat. The calcitonin receptor is a seven transmembrane domain cell surface protein which is coupled to G protein messenger systems. AHP635 recognizes an epitope within the cytoplasmic domain that is common to both C1a and C1b rat isoforms.

Calcitonin receptor is expressed in kidney, central and peripheral nervous systems and in osteoclasts. It is also expressed in a number of tissues during the development of the embryo and may be important in foetal morphogenesis.

Histology Positive Control Tissue

Kidney, cultured osteoclasts

References


Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of despatch.
Health And Safety Information
Material Safety Datasheet Documentation #10040 available at:

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

<table>
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<tr>
<th>Antibody Description</th>
<th>Biotin</th>
<th>FITC</th>
<th>HRP</th>
<th>RPE</th>
<th>DyLight®488</th>
<th>DyLight®549</th>
<th>DyLight®800</th>
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<td>Sheep Anti Rabbit IgG (2AB02...)</td>
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<td>Sheep Anti Rabbit IgG (STAR34...)</td>
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<td>DyLight®488</td>
<td>DyLight®549</td>
<td>DyLight®800</td>
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