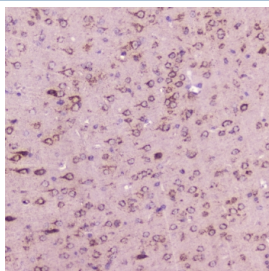


## Calcitonin Antibody / CALCA / CGRP (RQ4462)

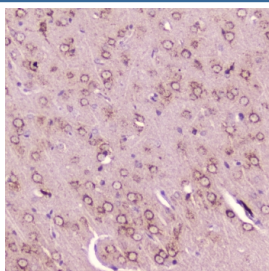
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ4462      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                 |
| <b>Species Reactivity</b> | Mouse, Rat                                                        |
| <b>Format</b>             | Antigen affinity purified                                         |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                        |
| <b>Isotype</b>            | Rabbit IgG                                                        |
| <b>Purity</b>             | Antigen affinity                                                  |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| <b>UniProt</b>            | P70160                                                            |
| <b>Applications</b>       | Immunohistochemistry (FFPE) : 1-2ug/ml                            |
| <b>Limitations</b>        | This Calcitonin antibody is available for research use only.      |



IHC testing of FFPE mouse brain with Calcitonin antibody at 2ug/ml. HIER: steamed antigen retrieval with pH6 citrate buffer.



IHC testing of FFPE rat brain with Calcitonin antibody at 2ug/ml. HIER: steamed antigen retrieval with pH6 citrate buffer.

## Description

Calcitonin, also known as CALCA, is a peptide hormone synthesized by the parafollicular cells of the thyroid. It is mapped to 11p15.2. Calcitonin belongs to the calcitonin-like protein family. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an antimicrobial peptide while katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.

## Application Notes

Optimal dilution of the Calcitonin antibody should be determined by the researcher.

## Immunogen

Amino acids CGNLSTCMLGTYTQDLNKFHTFPQTSIGVEAP were used as the immunogen for the Calcitonin antibody.

## Storage

After reconstitution, the Calcitonin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.