

## Anti-Calcitonin/Calca Antibody

Catalog Number: A02352

### About Calca

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.

### Overview

Product Name	Anti-Calcitonin/Calca Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Calcitonin/Calca Antibody catalog # A02352. Tested in IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P70160

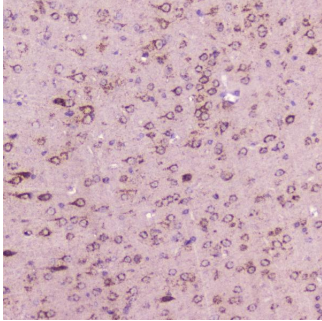
### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Calcitonin, which shares 90.6% and 96.9% amino acid (aa) sequence identity with human and rat Calcitonin, respectively.
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

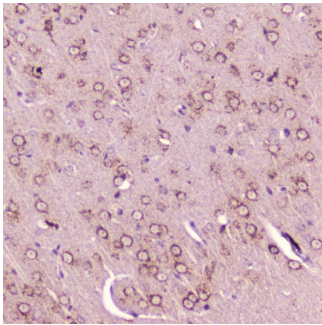
Suggested Dilutions

Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml

## Anti-Calcitonin/Calca Antibody (A02352) Images



IHC analysis of Calcitonin using anti-Calcitonin antibody (A02352). Calcitonin was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-Calcitonin Antibody (A02352) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



IHC analysis of Calcitonin using anti-Calcitonin antibody (A02352). Calcitonin was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-Calcitonin Antibody (A02352) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

## 1 Publications Citing This Product

1. PubMed ID: 10.1016/j.jdiacomp.2013.08.001, STZ treatment induced apoptosis of retinal cells and effect of up-regulation of calcitonin gene related peptide in rats

Visit [bosterbio.com/anti-calcitonin-picoband-trade-antibody-a02352-boster.html](http://bosterbio.com/anti-calcitonin-picoband-trade-antibody-a02352-boster.html) to see all 1 publications.

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Anti-Calcitonin/Calca Antibody

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