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Anti-Calcitonin Picoband Antibody

Catalog # ABO12622

Specification

Anti-Calcitonin Picoband Antibody - Product Information

Application	**IHC**
Primary Accession	Q99JA0
Host	**Rabbit**
Reactivity	**Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Calcitonin gene-related peptide 1(CALCA) detection. Tested with IHC-P in Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Calcitonin Picoband Antibody - Additional Information

Gene ID 12310

Other Names
Calcitonin gene-related peptide 1, Alpha-type CGRP, Calcitonin gene-related peptide I, CGRP-I, Calca, Calc

Calculated MW
14065 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, By Heat

Subcellular Localization
Secreted.

Tissue Specificity
Detected in nerve cells of cerebrum, hippocampus and pons/midbrain in newborns, and only in nerve cells of pons/midbrain in adult. .

Protein Name
Calcitonin gene-related peptide 1

Contents
Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of mouse Calcitonin (83-119aa SCNTATCVTHRLAGLLSRSGGVVKDNFVPTNVGSEAF), different from the related human sequence by four amino acids, and identical to the related rat sequence.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-Calcitonin Picoband Antibody - Protein Information

Name Calca

Synonyms Calc

Function
CGRP induces vasodilation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role. It also elevates platelet cAMP (By similarity).

Cellular Location
Secreted.

Tissue Location
Detected in nerve cells of cerebrum, hippocampus and pons/midbrain in newborns, and only in nerve cells of pons/midbrain in adult.

Anti-Calcitonin Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Calcitonin Picoband Antibody - Images

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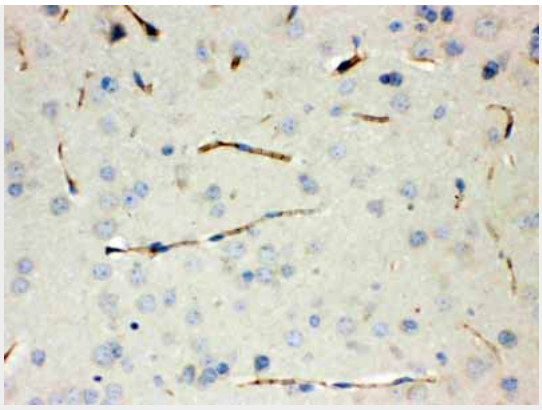
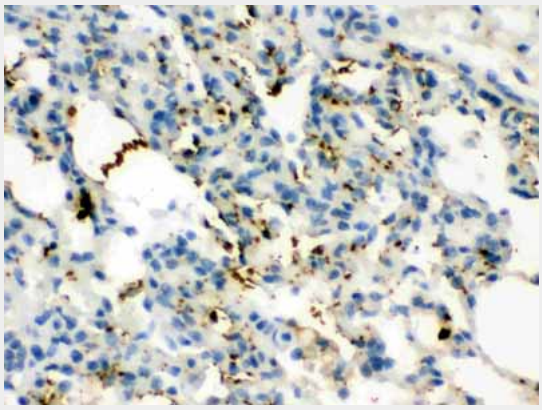


Calcitonin was detected in paraffin-embedded sections of mouse lung tissues using rabbit anti-Calcitonin Antigen Affinity purified polyclonal antibody (Catalog # ABO12622) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .



Calcitonin was detected in paraffin-embedded sections of rat lung tissues using rabbit anti-Calcitonin Antigen Affinity purified polyclonal antibody (Catalog # ABO12622) at 1 ??g/mL. The immunohistochemical section was developed using SABC method .

Anti-Calcitonin Picoband Antibody - Background

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.