

Anti-Calcitonin Picoband Antibody

Catalog # ABO12622

Product Information

Application	IHC-P
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.

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
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. .
Source	Eukaryota
Protein Name	Calcitonin gene-related peptide 1
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Calcitonin (83-119aa SCNTATCVTHRLAGLLSRSGGVKDNFVPTNVGSEAF), 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.

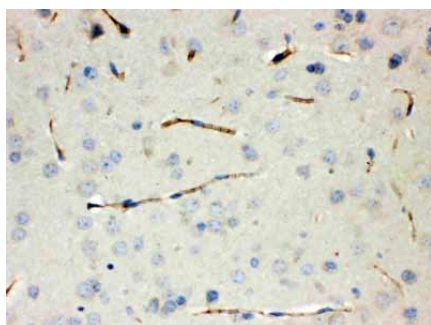
Protein Information

Name	Calca {ECO:0000312 MGI:MGI:2151253}
Synonyms	Calc
Function	CGRP1/CALCA is a peptide hormone that induces vasodilation mediated by the CALCRL-RAMP1 receptor complex. 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. CGRP1 can also bind and activate CALCR-RAMP1 (AMYR1) receptor complex.
Cellular Location	Secreted {ECO:0000250 UniProtKB:P06881}.
Tissue Location	Detected in nerve cells of cerebrum, hippocampus and pons/midbrain in newborns, and only in nerve cells of pons/midbrain in adult.

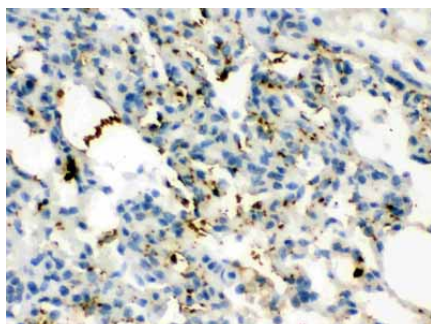
Background

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.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.