

Rabbit Calcitonin Polyclonal Antibody | anti-CALCA antibody

Anti-Calcitonin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46612	Rabbit	Mouse, Rat No cross reactivity with other proteins.	Immunohistochemistry

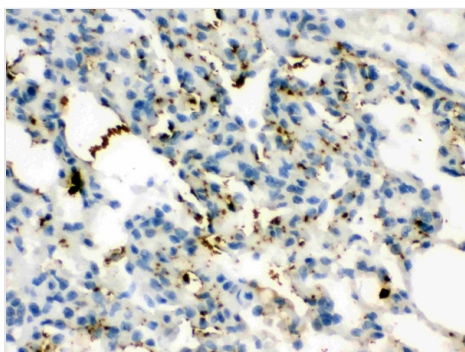
PRODUCT SYNONYMS

Calcitonin; Polyclonal Antibody; Anti-Calcitonin Antibody; Alpha CGRP; alpha type CGRP; CALC1; CALC 1; CALC A; CALCA; calcitonin1; calcitonin-1; calcitonin 1; CGRP1; CGRP 1; CGRP-1 |CT; katacalcin; KC; Q99JA0; Calcitonin gene-related peptide 1; calcitonin related polypeptide alpha; anti-CALCA antibody

PRODUCT SPECIFICATIONS

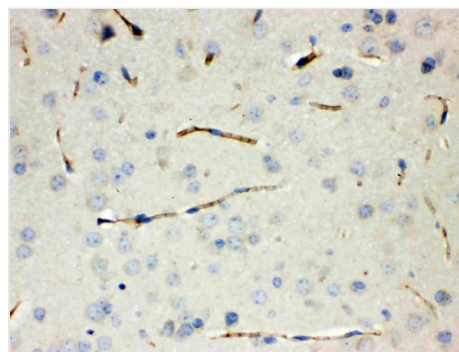
Host	Rabbit
Reactivity	Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	128
Applicable Applications for anti-CALCA antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse Calcitonin (83-119aa SCNTATCVTHRLAGLLSRGGVVKDNFVPTNVGSEAF), different from the related human sequence by four amino acids, and identical to the related rat sequence.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Calcitonin was detected in paraffin-embedded sections of rat lung tissues using rabbit anti-Calcitonin Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-CALCA antibody	Rabbit IgG polyclonal antibody for Calcitonin gene-related peptide 1 (CALCA) detection. 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.
References	1. Alevizaki, M., Stevenson, J. C., Girgis, S. I., MacIntyre, I., Legon, S. Altered calcitonin gene in a young patient with osteoporosis.Brit. Med. J. 298: 1215-1216, 1989. Note: Retraction: Brit. Med. J. 299: 235 only, 1989. 2. Breimer, L. H., MacIntyre, I., Zaidi, M. Peptides from the calcitonin genes: molecular genetics, structure and function. Biochem. J. 255: 377-390, 1988. 3. Edbrooke, M. R., Parker, D., McVey, J. H., Riley, J. H., Sorenson, G. D., Pettengill, O. S., Craig, R. K. Expression of the human calcitonin/CGRP gene in lung and thyroid carcinoma. EMBO J. 4: 715-724, 1985.

NCBI AND UNIPROT INFORMATION

NCBI GI #	76880463
NCBI GeneID	12310
NCBI Accession #	NP_001029126.1
NCBI GenBank Nucleotide #	NM_001033954.3
UniProt Accession #	Q99JA0; P70160
Molecular Weight	15,141 Da
NCBI Official Full Name	calcitonin gene-related peptide 1 isoform Cgrp preproprotein
NCBI Official Synonym Full Names	calcitonin/calcitonin-related polypeptide, alpha
NCBI Official Symbol	Calca
NCBI Official Synonym Symbols	CA; Ct; Ctn; Calc; Cgrp; CGRP1; Calc1; CGRP-1
NCBI Protein Information	calcitonin gene-related peptide 1
UniProt Protein Name	Calcitonin gene-related peptide 1
UniProt Gene Name	Calca
UniProt Synonym Gene Names	Calc; CGRP-I
UniProt Entry Name	CALCA_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.