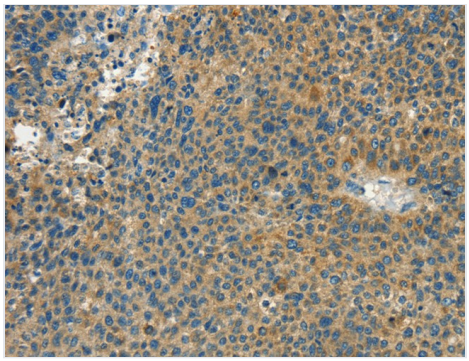
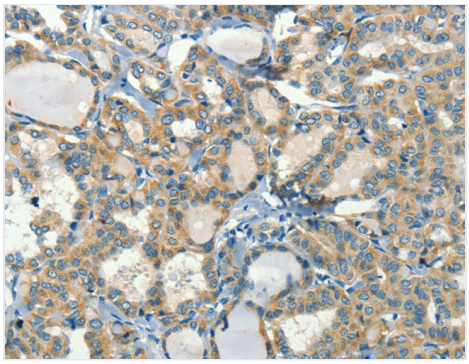
CALCA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CALCA, Polyclonal Antibody
Full Product Name	CALCA Polyclonal Antibody
Product Gene Name	anti-CALCA antibody
Product Synonym Names	CT; KC; CGRP; CALC1; CGRP1; CGRP-I
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	2.9mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	13,898 Da
OMIM	114130
Immunogen	Synthetic peptide of human CALCA
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Product Categories/Family for anti-CALCA antibody	Epigenetics; Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CALCA antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-CALCA antibody	IHC: 1:50-1:200
Related Product Information for anti-CALCA antibody	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katacalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator while katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-CALCA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CALCA purchase	MBS2521198 is an antibody targeting CALCA. Also known as CALCA Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-CALCA antibody
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using CALCA Polyclonal Antibody at dilution 1:60



Immunohistochemistry (IHC) of anti-CALCA antibody
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using CALCA Polyclonal Antibody at dilution 1:60

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CALCA. It may not necessarily be applicable to this product.

NCBI GI #	76880484
NCBI GeneID	796
NCBI Accession #	NP_001029124.1
UniProt Secondary Accession #	Q13935; Q13937; Q52LX7; B7ZL39
UniProt Related Accession #	P01258; P06881
GenBank Nucleotide #	NM_001033952.2
NCBI Official Full Name	calcitonin isoform CT preproprotein
NCBI Official Synonym Full Names	calcitonin-related polypeptide alpha
NCBI Official Symbol	CALCA
NCBI Official Synonym Symbols	CT; KC; CGRP; CALC1; CGRP1; CGRP-I
UniProt Protein Name	Calcitonin
UniProt Synonym Protein Names	Calcitonin carboxyl-terminal peptide; CCP; PDN-21
Protein Family	Calcitonin
UniProt Gene Name	CALCA
UniProt Synonym Gene Names	CALC1; CCP
UniProt Entry Name	CALC_HUMAN
NCBI Protein Information	calcitonin; calcitonin gene-related peptide 1; alpha-type CGRP; calcitonin 1; calcitonin gene-related peptide I; calcitonin/calcitonin-related polypeptide, alpha; katacalcin
NCBI Summary for CALCA	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katacalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. 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.[provided by RefSeq, Aug 2014]

UniProt Comments for CALCA	CALCA: Calcitonin causes a rapid but short-lived drop in the level of calcium and phosphate in blood by promoting the incorporation of those ions in the bones. Belongs to the calcitonin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 11p15.2 Cellular Component: extracellular space; cell soma; cytoplasm; extracellular region; terminal button; nucleus Molecular Function: identical protein binding; protein binding; calcitonin receptor binding; hormone activity; protein complex binding; receptor binding Biological Process: negative regulation of osteoclast differentiation; elevation of cytosolic calcium ion concentration during G-protein signaling, coupled to IP3 second messenger (phospholipase C activating); positive regulation of interleukin-1 alpha production; vasodilation of artery during baroreceptor response to increased systemic arterial blood pressure; response to pain; positive regulation of vasodilation; G-protein signaling, adenylate cyclase activating pathway; protein amino acid phosphorylation; positive regulation of interleukin-8 production; monocyte chemotaxis; elevation of cytosolic calcium ion concentration; leukocyte adhesion; cell-cell signaling; vasculature development; neuropeptide signaling pathway; regulation of blood pressure; negative regulation of smooth muscle contraction; receptor internalization; positive regulation of cAMP biosynthetic process; negative regulation of ossification; feeding behavior; positive regulation of adenylate cyclase activity; negative regulation of blood pressure; detection of temperature stimulus involved in sensory perception of pain; inflammatory response; positive regulation of macrophage differentiation; negative regulation of bone resorption; negative regulation of neurological process; aging; cytosolic calcium ion homeostasis; regulation of heart rate; adenylate cyclase activation; positive regulation of ossification; regulation of systemic arterial blood pressure by neurological process; G-protein coupled receptor internalization; response to heat; endothelial cell proliferation; regulation of inflammatory response; activation of protein kinase activity; endothelial cell migration; negative regulation of transcription, DNA-dependent; embryo implantation
Research Articles on CALCA	**1.** Pharmacological blockade of CGRP leads to a drastically attenuated itch sensation.
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