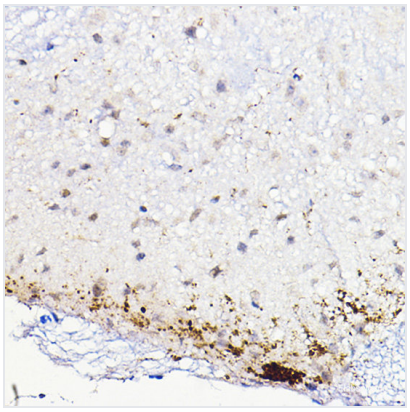
CALCA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CALCA, Polyclonal Antibody
Full Product Name	CALCA Polyclonal Antibody
Product Gene Name	anti-CALCA antibody
Product Synonym Names	CALCA; CALC1; CGRP; CGRP-I; CGRP1; CT; KC; PCT
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	PBS with 0.01% thiomersal,50% glycerol,pH7.3.
Purity/Purification	Affinity purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.
Molecular Weight	15,466 Da
OMIM	114130
3D Structure	ModBase 3D Structure for P06881
Immunogen	Recombinant fusion protein of human CALCA
Research Area	Cancer, Cardiovascular, Neuroscience
Product Categories/Family for anti-CALCA antibody	Antibodies; Primary Antibodies; Polyclonal Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CALCA antibody	IHC
Application Notes for anti-CALCA antibody	WB: 1:500-1:2000 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 and as an antimicrobial peptide while katacalcin is 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	MBS2575859 is an antibody targeting CALCA. Also known as CALCA Polyclonal Antibody. Reactive in Mouse. Host: Rabbit.



Immunohistochemistry (IHC) of anti-CALCA antibody
Immunohistochemistry of paraffin-embedded mouse spinal cord using CALCA Polyclonal Antibody at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

ADDITIONAL DETAILS

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

NCBI GI #	76880478
NCBI GeneID	796
NCBI Accession #	NP_001029125.1
UniProt Primary Accession #	P06881
UniProt Secondary Accession #	Q93048; Q9UCP0
UniProt Related Accession #	P01258; P06881
GenBank Nucleotide #	NM_001033953.2
NCBI Official Full Name	calcitonin gene-related peptide 1 isoform alpha-CGRP preproprotein
NCBI Official Synonym Full Names	calcitonin related polypeptide alpha
NCBI Official Symbol	CALCA
NCBI Official Synonym Symbols	CT; KC; PCT; CGRP; CALC1; CGRP1; CGRP-I
UniProt Protein Name	Calcitonin gene-related peptide 1
UniProt Synonym Protein Names	Alpha-type CGRP; Calcitonin gene-related peptide I; CGRP-I
Protein Family	Calcitonin
UniProt Gene Name	CALCA
UniProt Synonym Gene Names	CALC1; CGRP-I
UniProt Entry Name	CALCA_HUMAN
NCBI Protein Information	calcitonin; calcitonin gene-related peptide 1
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 iso3: 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 region; extracellular space Molecular Function: calcitonin receptor binding; identical protein binding; protein binding Biological Process: activation of protein kinase activity; cellular protein metabolic process; elevation of cytosolic calcium ion concentration; elevation of cytosolic calcium ion concentration during G-protein signaling, coupled to IP3 second messenger (phospholipase C activating); embryo implantation; monocyte chemotaxis; negative regulation of bone resorption; negative regulation of transcription, DNA-dependent; positive regulation of adenylate cyclase activity
Research Articles on CALCA	**1.** PCT level was not significantly different in neutropenic systemic inflammatory response syndrome patients and sepsis patients.
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