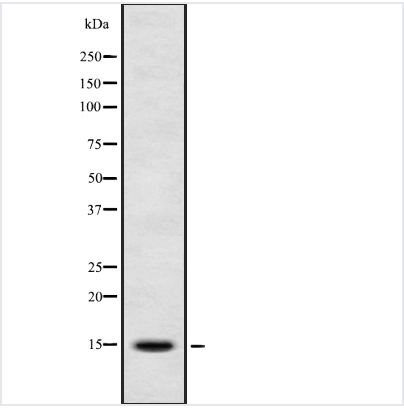
# CALCA Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | CALCA, Polyclonal Antibody |
| **Full Product Name** | CALCA Antibody |
| **Product Gene Name** | anti-CALCA antibody |
| **Product Synonym Names** | Alpha CGRP; alpha type CGRP; CALC 1; CALC A; CALC1; calcitonin 1; calcitonin gene related peptide 1; calcitonin gene related peptide I; calcitonin related polypeptide alpha; CGRP 1; CGRP; CGRP I; CGRP1; CT; katacalcin; KC |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purity/Purification** | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| **Concentration** | 1mg/ml (lot specific) |
| **Specificity** | CALCA antibody detects endogenous levels of total CALCA |
| **Preparation and Storage** | Store at -20 degree C. Stable for 12 months from date of receipt. |
| **Antibody/Peptide Pairs** | CALCA peptide (MBS9627068) is used for blocking the activity of CALCA antibody (MBS9608356) |
| **Molecular Weight** | Observed: 15 kDa<br>Predicted: 16 kDa |
| **3D Structure** | ModBase 3D Structure for P01258 |
| **Supply Chain Verification** | Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire. |
| **Immunogen** | A synthesized peptide derived from human CALCA |
| **Subcellular Location** | Cytoplasmic and Secreted |
| **Conjugation** | Unconjugated |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-CALCA antibody** | Western Blot (WB), ELISA (EIA) |
| **Application Notes for anti-CALCA antibody** | WB: 1:1000-3000 |
| **Related Product Information for anti-CALCA antibody** | Function: 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.<br>Similarity: Belongs to the calcitonin family. |
| **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** | MBS9608356 is an antibody targeting CALCA. Also known as CALCA Antibody. Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-CALCA antibody**
Western blot analysis of CALCA using Jurkat whole lysates.

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 76880484 |
| **NCBI GeneID** | 796 |
| **NCBI Accession #** | NP_001029124.1 |
| **UniProt Primary Accession #** | P01258 |
| **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; PCT; CGRP; CALC1; CGRP1; CGRP-I |
| **UniProt Protein Name** | Calcitonin |
| **UniProt Synonym Protein Names** | CalcitoninKatacalcinAlternative name(s):Calcitonin carboxyl-terminal peptide; CCP |
| **Protein Family** | Calcitonin |
| **UniProt Gene Name** | CALCA |
| **UniProt Synonym Gene Names** | CALC1; CCP |
| **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** | 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. |
| **Research Articles on CALCA** | **1.** This is the largest data set evaluating PCT in neonatal and pediatric patients on extracorporeal membrane oxygenation (ECMO). A PCT value of 0.5 ng/mL had the most utility for determining the absence or presence of a bacterial infection in the setting of ECMO with a high sensitivity and negative predictive values. |

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