

## Rabbit CALCA Polyclonal Antibody | anti-CALCA antibody

CALCA Rabbit pAb

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA281694</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

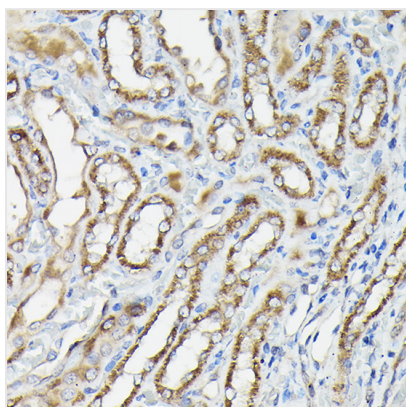
### PRODUCT SYNONYMS

CALCA; Polyclonal Antibody; CALCA Rabbit pAb; CALC1; CGRP; CGRP-I; CGRP1; CT; KC; PCT; anti-CALCA antibody

### PRODUCT SPECIFICATIONS

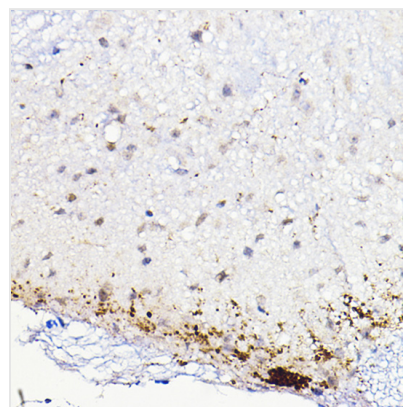
|                                                 |                                                                                                                                                               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                        |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                                    |
| Isotype                                         | IgG                                                                                                                                                           |
| Purity/Purification                             | Affinity purification                                                                                                                                         |
| Form/Format                                     | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                             |
| Sequence                                        | MGFQKFSPFL ALSILVLLQA GSLHAAPFRS ALESSPADPA TLSEDEARLL LAALVQDYVQ MKASELEQEQ<br>EREGSSLDSP RSKRCGNLST CMLGTYTQDF NKFTFPQTA IGVGAPGKKR DMSSDLERDH RPHVSMPQNA N |
| Applicable Applications for anti-CALCA antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                 |
| Immunogen                                       | Recombinant fusion protein containing a sequence corresponding to amino acids 1-141 of human CALCA (NP_001029124.1).                                          |
| Cellular Location                               | Secreted                                                                                                                                                      |
| Positive Samples                                | Mouse lung, Rat lung                                                                                                                                          |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                              |

### IMAGES



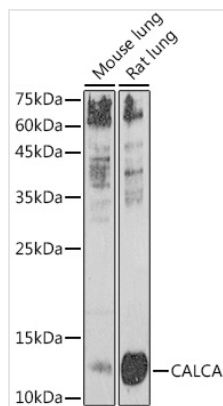
**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Rat kidney using CALCA antibody at dilution of 1:100 (40x lens).



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse spinal cord using CALCA Rabbit pAb at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CALCA antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CALCA antibody</b> | Background: 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. |
| <b>Product Categories/Family for anti-CALCA antibody</b>   | <a href="#">Cardiovascular</a> ; <a href="#">Heart</a> ; <a href="#">Contractility</a> ; <a href="#">Products</a> ; <a href="#">Drug Targets</a> ; <a href="#">Products</a> ; <a href="#">Biosimilar Drug Targets</a>                                                                                                                                                                                                                                                                                                                                      |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                   |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">76880478</a>                                                                          |
| <b>NCBI GeneID</b>                      | <a href="#">796</a>                                                                               |
| <b>NCBI Accession #</b>                 | <a href="#">NP_001029125.1</a>                                                                    |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_001033953.2</a>                                                                    |
| <b>UniProt Accession #</b>              | <a href="#">P06881</a> ; <a href="#">Q93048</a> ; <a href="#">Q9UCP0</a> ; <a href="#">P01258</a> |
| <b>Molecular Weight</b>                 | 15,466 Da                                                                                         |
| <b>NCBI Official Full Name</b>          | calcitonin gene-related peptide 1 isoform alpha-CGRP preproprotein                                |
| <b>NCBI Official Synonym Full Names</b> | calcitonin related polypeptide alpha                                                              |
| <b>NCBI Official Symbol</b>             | CALCA                                                                                             |
| <b>NCBI Official Synonym Symbols</b>    | CT; KC; PCT; CGRP; CALC1; CGRP1; CGRP-I                                                           |
| <b>NCBI Protein Information</b>         | calcitonin; calcitonin gene-related peptide 1                                                     |
| <b>UniProt Protein Name</b>             | Calcitonin gene-related peptide 1                                                                 |
| <b>UniProt Gene Name</b>                | <b>CALCA</b>                                                                                      |
| <b>UniProt Synonym Gene Names</b>       | CALC1; CGRP-I                                                                                     |
| <b>UniProt Entry Name</b>               | CALCA_HUMAN                                                                                       |

**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.

