

## **CALCA Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP11119c

## **Specification**

## **CALCA Antibody (Center) - Product Information**

Application WB, IHC-P,E Primary Accession P06881

Other Accession NP 001029125.1

Reactivity
Human
Host
Clonality
Polyclonal
Isotype
Rabbit IgG
Antigen Region
F6-83

## **CALCA Antibody (Center) - Additional Information**

#### Gene ID 796

## **Other Names**

Calcitonin gene-related peptide 1, Alpha-type CGRP, Calcitonin gene-related peptide I, CGRP-I, CALCA, CALC1

#### Target/Specificity

This CALCA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-83 amino acids from the Central region of human CALCA.

## **Dilution**

WB~~1:2000 IHC-P~~1:50~100

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

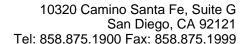
## **Precautions**

CALCA Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## **CALCA Antibody (Center) - Protein Information**

### **Name CALCA**

**Synonyms CALC1** 





**Function** CGRP induces vasodilation. It dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role. It also elevates platelet cAMP.

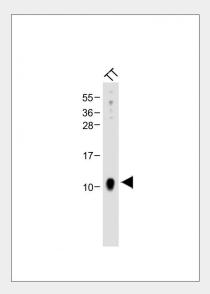
**Cellular Location** Secreted.

## **CALCA Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

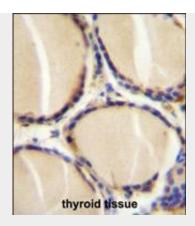
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## **CALCA Antibody (Center) - Images**



Anti-CALCA Antibody (Center) at 1:2000 dilution + TT whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFDM/TBST.





CALCA Antibody (Center) (Cat. #AP11119c)immunohistochemistry analysis in formalin fixed and paraffin embedded human thyroid tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CALCA Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

# CALCA Antibody (Center) - 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 while katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.

# **CALCA Antibody (Center) - References**

Giroux, S., et al. Bone 47(5):975-981(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Lee, J.Y., et al. Korean J Lab Med 30(4):406-413(2010)
Giovanella, L., et al. Clin. Chem. Lab. Med. 48(8):1163-1165(2010)
Hatzistilianou, M. ScientificWorldJournal 10, 1941-1946 (2010):