

Calcitonin Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51031**Specification**

Calcitonin Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	P06881
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13 KDa

Calcitonin Antibody - 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

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Procalcitonin. The exact sequence is proprietary.

Dilution

WB~~1:1000

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Calcitonin Antibody - Protein Information**Name** CALCA ([HGNC:1437](#))**Synonyms** CALC1**Function**

CGRP1/CALCA is a peptide hormone that induces vasodilation mediated by the CALCRL-RAMP1 receptor complex (PubMed: <http://www.uniprot.org/citations/1318039> target="_blank">1318039, PubMed: <http://www.uniprot.org/citations/33602864> target="_blank">33602864, PubMed: <http://www.uniprot.org/citations/9620797> target="_blank">9620797). 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 (PubMed:3492492). It also elevates platelet cAMP (PubMed:1318039). CGRP1 can also bind and activate CALCR-RAMP1 (AMYR1) receptor complex (PubMed:38603770).

Cellular Location

Secreted.

Tissue Location

Expressed in spinal cord.

Calcitonin Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Calcitonin Antibody - Images**Calcitonin Antibody - Background**

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.

Calcitonin Antibody - References

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Broad P.M.,et al.Nucleic Acids Res. 17:6999-7011(1989).
Taylor T.D.,et al.Nature 440:497-500(2006).
Nelkin B.D.,et al.Biochem. Biophys. Res. Commun. 123:648-655(1984).
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