

Calcitonin Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51031

Product Information

Application	WB, IHC-P
Primary Accession	P06881
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13899

Additional Information

Gene ID	796
Other Names	Calcitonin gene-related peptide 1, Alpha-type CGRP, Calcitonin gene-related peptide I, CGRP-I, CALCA, CALC1
Dilution	WB~~1:1000 IHC-P~~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

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: 1318039 , PubMed: 33602864 , PubMed: 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.

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.

References

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