

## **Product datasheet for TA364040**

## OriGene Technologies, Inc.

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## **Calcitonin (CALCA) Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

**Applications:** ELISA

**Recommended Dilution:** This antibody has been tested and validated in ELISA against Calcitonin. Other applications

like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions

should be determined by the end user.

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Immunogen: Synthetic peptide H-Cys-Gly-Asn-Leu-Ser-Thr-Cys-Met-Leu-Gly-Thr-Tyr- Thr-Gln-Asp-Phe-Asn-

Lys-Phe-His-Thr-Phe-Pro-Gln-Thr-Ala-Ile-Gly-Val- Gly-Ala-Pro-NH2, (Disulfide bond) coupled to

carrier protein.

Formulation: Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl

distilled water. This will give the equivalent of undiluted antiserum.

Concentration: N/A

Conjugation: Unconjugated

**Storage:** Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing

and freezing of the antiserum by freezing aliquots at -20°C or below.

**Gene Name:** calcitonin related polypeptide alpha

**Database Link:** Entrez Gene 796 Human

P06881

Background: Calcitonin gene-related peptide (CGRP) is a member of the calcitonin family of peptides,

which in human exists in two forms:  $\alpha$ -CGRP and  $\beta$ -CGRP.  $\alpha$ -CGRP, also known as CGRP I, is a

37-amino acid regulatory neuropeptide formed from the alternative splicing of the calcitonin/CGRP gene located on chromosome 11. While,  $\beta$ -CGRP differs from  $\alpha$ -CGRP by three amino acids and is encoded in a separate gene within the same vicinity.  $\alpha$ -CGRP is

widely distributed in the central and peripheral nervous system and it is known to be the most potent vasodilator with inotropic and chronotropic effects. This antibody was generated

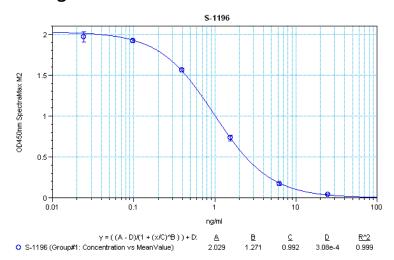
by immunization of rabbits with Calcitonin coupled to a carrier protein.

**Synonyms:** CALC1; CGRP; CGRP-I; CT; katacalcin; KC; MGC126648; PCT; Procalcitonin





## **Product images:**



Typical titration curve of Calcitonin in a competitive ELISA with this antibody