BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Calcitonin

Calcitonin is a 32 amino acid peptide hormone that defines the calcitonin-like protein family. It is formed by the proteolytic cleavage of a larger prepropeptide, which is the product of the CALC1 gene and secreted by parafollicular cells of the thyroid gland in humans, and in the ultimopharyngeal body in animals. The hormone participates in calcium and phosphorus metabolism by reducing blood calcium, and counteracts the effects of parathyroid hormone and Vitamin D3.

This antibody was generated by immunization of rabbits with Calcitonin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4234 (Lot 033900)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Rat
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Cys-Gly-Asn-Leu-Ser-Thr-Cys-Met-Leu-Gly-Thr-Tyr-Thr-Gln-Asp-Leu-Asn-Lys-Phe-His-Thr-Phe-Pro-Gln-Thr-Ser-Ile-Gly-Val-Gly-Ala-Pro-NH_2, (Disulfide bond) coupled to carrier protein.
Protein database:	rat-P01256

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Cross-Reactivity:

PEPTIDE	%
Calcitonin (rat)	100
Calcitonin (human)	87
α-CGRP (human)	0.1
Calcitonin (salmon I)	0
Calcitonin (eel)	0
Calcitonin (chicken)	0
α-CGRP (rat)	0
Amylin (rat)	0
Amylin (human)	0
Calcitonin C-Terminal Adjacent Peptide (rat)	0
Calcitonin C-terminal Flanking Peptide (human)	0

Applications:

Tested in ELISA against Calcitonin and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:
Paraffin sections: (1:1000); pretreatment with Proteinase K for antigen retrieval is recommended

Optimal dilutions should be determined by the end user
Please see **www.bma.ch** for protocols and general information

Related Products:

T-4225: Rabbit anti Calcitonin, diluted antiserum (eel)
T-4226: Rabbit anti Calcitonin, purified antiserum (eel)
S-1195: ELISA high sensitivity for extracted samples (eel)
T-4227: Rabbit anti Calcitonin, neat antiserum (eel)
T-4229: Rabbit anti Calcitonin, diluted antiserum (hu)
T-4231: Rabbit anti Calcitonin, neat antiserum (hu)
T-4233: Rabbit anti Calcitonin, diluted antiserum (rt)
T-4234: Rabbit anti Calcitonin, purified antiserum (rt)
T-4235: Rabbit anti Calcitonin, neat antiserum (rt)
S-1441: ELISA extraction-free for serum/plasma samples
S-1196: ELISA high sensitivity for extracted samples

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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