SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-Calcitonin/AF594 Conjugated antibody

Catalog Number: SL18210R-AF594

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Calcitonin/AF594
Immunogen:	KLH conjugated synthetic peptide derived from human Calcitonin
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Rabbit,GuineaPig)
Background:	background: Calcitonin is a 32 amino acid peptide hormone synthesized by the parafollicular cells of the thyroid. It causes a rapid, but short lived, reduction in serum calcium and phosphate by promoting the incorporation of those ions in the bones. This effect is opposite to that of parathyroid hormone. Staining for calcitonin may be used for the identification of a spectrum of C cell proliferative abnormalities ranging from C cell hyperplasia to invasive tumors. Staining for calcitonin in medullary carcinoma of the thyroid produces a fine granular pattern in the cytoplasm. Amyloid deposits within the tumor may also exhibit varying degrees of calcitonin activity. **Function:** Calcitonin causes a rapid but short-lived drop in the level of calcium and phosphate in blood by promoting the incorporation of those ions in the bones. Katacalcin is a potent plasma calcium-lowering peptide **Subcellular Location:** Secreted. **Similarity:** Belongs to the calcitonin family.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Database links: **Entrez Gene:** 796 Human Omim: 114130 Human **SwissProt:** P01258 Human **Unigene:** 37058 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. Calcitonin (CT) is a single-chain polypeptide containing 32 amino acids secreted by parafollicular cells (C cells) of the thyroid gland. It is a polypeptide hormone that can reduce blood calcium and phosphorus levels. Brain tissue and the pituitary gland contain calcitonin, and other tissues such as the prostate also contain CT. It is mainly used for the diagnosis of C cell hyperplasia and medullary thyroid carcinoma, and can also be used for research on other types of neuroendocrine tumors.