



Rabbit anti Calcitonin Polyclonal Antibody

Alternative Name(s): Calc;

Order Information

- **Description:** Calcitonin
- **Catalogue:** 500-1154
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), ELISA
- **Reactivity:** Hu, Ms, Rt, Mk,Dg

ANTIGEN PREPARATION

A synthetic peptide of human Calcitonin

BACKGROUND

Calcitonin is a 32 amino acid peptide hormone synthesized by the parafollicular cells of the thyroid. It belongs to the calcitonin-like protein family. This peptide hormone is secreted by parafollicular cells of the thyroid gland in humans. Calcitonin participates in calcium and phosphorus metabolism. It may help to diagnose medullary thyroid cancer. 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.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody reacts with most Calcitonin including human, mice and rat.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: ~ 4
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

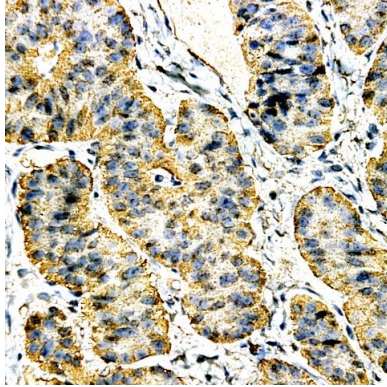
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human Colon carcinoma (FFPE) stained with Rabbit anti-Calcitonin (Cat# 500-1154) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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