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Datasheet for ABIN6942324  
**anti-Calcitonin antibody (AA 85-116) (Cy5)**

### Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | Calcitonin (Calca)                                                                                                             |
| Binding Specificity: | AA 85-116                                                                                                                      |
| Reactivity:          | Mouse                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This Calcitonin antibody is conjugated to Cy5                                                                                  |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                                |
|-----------------------|----------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Calcitonin |
| Isotype:              | IgG                                                            |
| Cross-Reactivity:     | Mouse                                                          |
| Predicted Reactivity: | Human,Rat,Dog,Pig,Rabbit,Guinea Pig                            |
| Purification:         | Purified by Protein A.                                         |

### Target Details

|                   |                                               |
|-------------------|-----------------------------------------------|
| Target:           | Calcitonin (Calca)                            |
| Alternative Name: | Calcitonin ( <a href="#">Calca Products</a> ) |

## Target Details

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**Background:** Synonyms: Alpha CGRP, CALC 1, CALC A, CALC1, CALCA, Calcitonin related polypeptide alpha, CGRP 1, CGRP, CGRP I, CGRP-1, CGRPI, CGRP1, CT, Katalcalcin, KC, MGC126648, alpha type CGRP, calcitonin 1, calcitonin gene related peptide 1, calcitonin gene related peptide I, calcitonin isoform CT preproprotein.

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.

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**Gene ID:** 796

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**UniProt:** [P01258](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Storage:** -20 °C

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**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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## Handling

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Expiry Date: 12 months