

Calcitonin Polyclonal Antibody

Description

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| Product type | Primary Antibody |
| Code | BT-AP07033 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human Calcitonin. AA range:29-78 |
| Mol wt | 13899 |
| Species reactivity | Human, Rat, Mouse |
| Clonality | Polyclonal |
| Recommended application | IHC-p, IF, ELISA |
| Concentration | 1 mg/ml |
| Full name | Calcitonin gene-related peptide 1 |
| Synonyms | Calcitonin gene-related peptide 1; CALCA; CALC1; Calcitonin gene-related peptide 1; Alpha-type CGRP; Calcitonin gene-related peptide I; CGRP-I; CALCA; CALC1; Calcitonin |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CALCA (calcitonin related polypeptide alpha) encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katacalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an antimicrobial peptide while katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for CALCA.

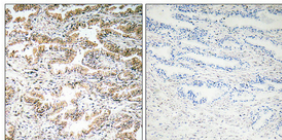
Recommended Dilution

IHC-p: 1: 100 - 1: 300

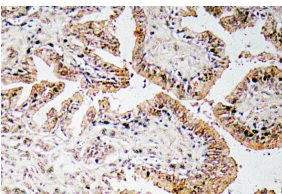
ELISA: 1: 10000

Not yet tested in other applications.

Images



Immunohistochemical analysis of paraffin-embedded Human prostate cancer. Antibody was diluted at 1:100(4°C overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of Calcitonin antibody in paraffin-embedded human prostate carcinoma tissue.

Storage

-20°C for 1 year

