

For Research Use Only

CALCA/Calcitonin Polyclonal antibody

Catalog Number: 22244-1-AP



Basic Information

Catalog Number:

22244-1-AP

Concentration:

2500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17737

GenBank Accession Number:

BC093753

GeneID (NCBI):

796

UNIPROT ID:

P01258

Full Name:

Calcitonin

Calculated MW:

141 aa, 15 kDa

Observed MW:

14 kDa, 5 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : TT cells, Transfected HEK-293 cells

IP : TT cells,

Background Information

Calcitonin is a peptide hormone consisting of 32 amino acids, primarily synthesized by the parafollicular cells (C cells) of the human thyroid gland. It plays a crucial role in regulating calcium levels in the blood by decreasing them. Calcitonin opposes the actions of parathyroid hormone, which increases blood calcium levels. Calcitonin works through a G protein-coupled receptor, known as the calcitonin receptor, which predominantly transmits signals via the cAMP and PLC/IP3 pathways. Its primary physiological effects are on osteoclasts and the tubular epithelium of kidneys.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

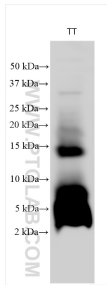
T: 4006900926

E: Proteintech-CN@ptglab.com

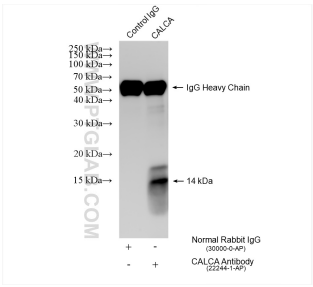
W: ptgcn.com

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Selected Validation Data



TT cells were subjected to SDS PAGE followed by western blot with 22244-1-AP (CGRP antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-CALCA/CGRP (IP:22244-1-AP, 4ug; Detection:22244-1-AP 1:600) with TT cells lysate 945 ug.