

For Research Use Only

CALCA/Calcitonin Polyclonal antibody

Catalog Number: 22244-1-AP



Basic Information

Catalog Number:

22244-1-AP

Size:

150ul, Concentration: 2500 ug/ml by Nanodrop and 887 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

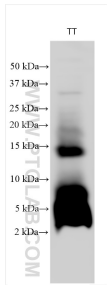
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

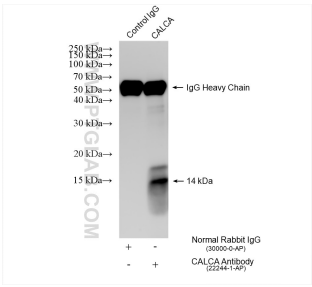
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.