

Calcitonin Rabbit pAb

Catalog Number: bs-18210R

Target Protein: Calcitonin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Mouse (predicted:Human, Rat, Rabbit, Dog, GuineaPig)

Predicted MW: 3.5/13 kDa

Entrez Gene: 796

Swiss Prot: P01258

Source: KLH conjugated synthetic peptide derived from human Calcitonin: 85-116/141.

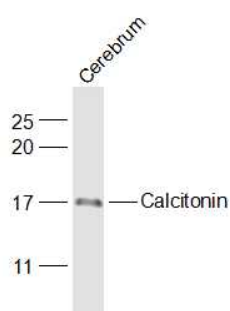
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

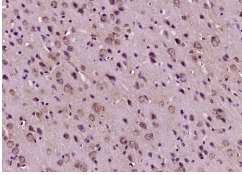
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Procalcitonin (PCT) is a peptide precursor of the hormone calcitonin, the latter being involved with calcium homeostasis. It arises once preprocalcitonin is cleaved by endopeptidase. It is composed of 116 amino acids and is produced by parafollicular cells (C cells) of the thyroid and by the neuroendocrine cells of the lung and the intestine.

VALIDATION IMAGES



Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-Calcitonin (bs-18210R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 3.5/13 kD Observed band size: 17 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Calcitonin) Polyclonal Antibody, Unconjugated (bs-18210R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.3] Aida Maddahi. et al. Sex differences in expression of CGRP family of receptors and ligands in the rat trigeminal system. J HEADACHE PAIN. 2024 Nov;25(1):193 IHC ; Rat . 39516766

[IF=4.132] Xiang, Chengyu. et al. Fasudil Ameliorates Osteoporosis Following Myocardial Infarction by Regulating Cardiac Calcitonin Secretion. J CARDIOVASC TRANSL. 2022 May;;1-14 IHC ; Mouse . 35551627

[IF=1.834] Fang Dai. et al. Effects of long term diabetogenic high fat diet on bone in ovariectomized female rats. BIOTECH HISTOCHEM. 2022 Jun 28 IHC ; Rat . 35762155