

CaSR Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP14680

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human Calcium Sensing Receptor.

AA range:854-903

Mol wt 120674

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/ml

Full name Extracellular calcium-sensing receptor

Synonyms Extracellular calcium-sensing receptor; CASR; GPRC2A; PCAR1; Extracellular calcium-sensing receptor;

CaSR; Parathyroid cell calcium-sensing receptor; PCaR1

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

Background

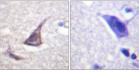
The protein encoded by this gene is a G protein-coupled receptor that is expressed in the parathyroid hormone (PTH)-producing chief cells of the parathyroid gland, and the cells lining the kidney tubule. It senses small changes in circulating calcium concentration and couples this information to intracellular signaling pathways that modify PTH secretion or renal cation handling, thus this protein plays an essential role in maintaining mineral ion homeostasis. Mutations in this gene cause familial hypocalciuric hypercalcemia, familial, isolated hypoparathyroidism, and neonatal severe primary hyperparathyroidism.

Recommended Dilution

WB: 1: 500 - 1: 2000 IHC-p: 1: 100 - 1: 300 ELISA: 1: 5000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Calcium Sensing Receptor Antibody. The picture on the right is blocked with the synthesized peptide.

Calcium sensing receptor -- = -- 130

-- 55 -- 34 -- 26 Western blot analysis of lysates from LOVO cells, using Calcium Sensing Receptor Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for 1 year

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