

CASR Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP14684
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of CASR
Mol wt	N/A
Species reactivity	Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF
Concentration	
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.

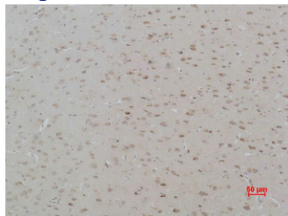
Recommended Dilution

WB: 1: 500 - 1: 1000

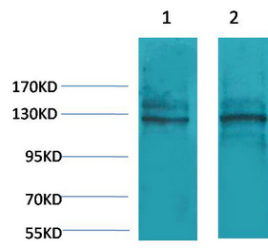
IHC: 1: 200 - 1: 500

Not yet tested in other applications.

Images



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using CASR Polyclonal Antibody.



Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain Tissue using CASR Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year

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