

Product datasheet for TA363616

OriGene Technologies, Inc.

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Calcium Sensing Receptor (CASR) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the middle terminal region of human

CASR

Specificity: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity purified
Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 119 kDa

Gene Name: calcium sensing receptor

Database Link: NP 000379.2

Entrez Gene 846 Human

P41180-2





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Background: The protein encoded by this gene is a G protein-coupled receptor that is expressed in the

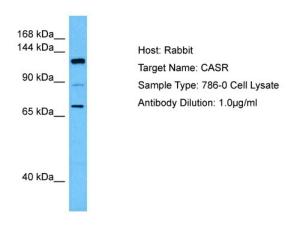
parathyroid hormone (PTH)-producing chief cells of the parathyroid gland, and the cells lining the kidney tubule. It senses small changes in circulating calcium concentration and couples this information to intracellular signaling pathways that modify PTH secretion or renal cation handling, thus this 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.

Synonyms: CAR; EIG8; FHH; FIH; GPRC2A; HHC; HHC1; MGC138441; NSHPT; PCAR1

Protein Families: Druggable Genome, GPCR, Transmembrane

Product images:



Host: Rabbit Target Name: CASR

Sample Tissue: Human 786-0 Whole Cell lysates

Antibody Dilution: 1ug/ml