CASR Polyclonal Antibody

Catalog Number:E-AB-18582

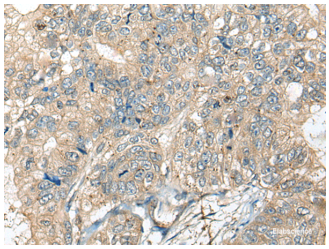
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

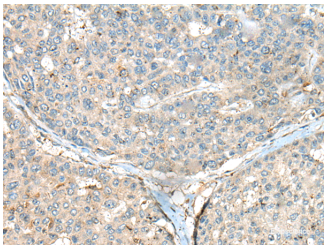
Reactivity	Human
Immunogen	Fusion protein of human CASR
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4

Applications	Recommended Dilution
IHC	1:50-1:300
ELISA	1:5000-1:10000

Data



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using CASR Polyclonal Antibody at dilution of 1:60(×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using CASR Polyclonal Antibody at dilution of 1:60(×200)

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

CASR (Calcium Sensing Receptor) is a Protein Coding gene. Diseases associated with CASR include Hypocalcemia, Autosomal Dominant and Hyperparathyroidism, Neonatal. Among its related pathways are Proton Pump Inhibitor Pathway, Pharmacodynamics and Peptide ligand-binding receptors. GO annotations related to this gene include G-protein coupled receptor activity and protein kinase binding. An important paralog of this gene is GPRC6A.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.

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