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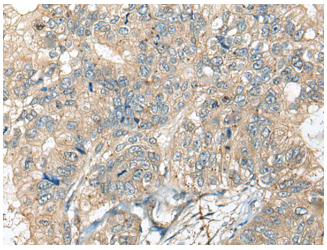
CASR Polyclonal Antibody

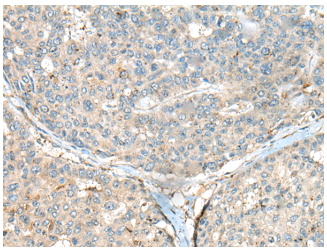
Catalog No.	E-AB-18582	**Reactivity**	H
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	IHC,ELISA	**Isotype**	IgG

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

Images



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)

Immunogen Information

Immunogen	Fusion protein of human CASR
Gene Accession	BC112236
Swissprot	P41180
Synonyms	CAR,CaSR,CASR,EIG8,FHH,FIH,GPRC2A,HHC,HHC1,MGC138441,NSHPT,PCAR 1,PCaR1

Product Information

Buffer	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	IHC 1:50-1:300, ELISA 1:5000-1:10000

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.