CASR Antibody

Catalog No: #46408

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Description

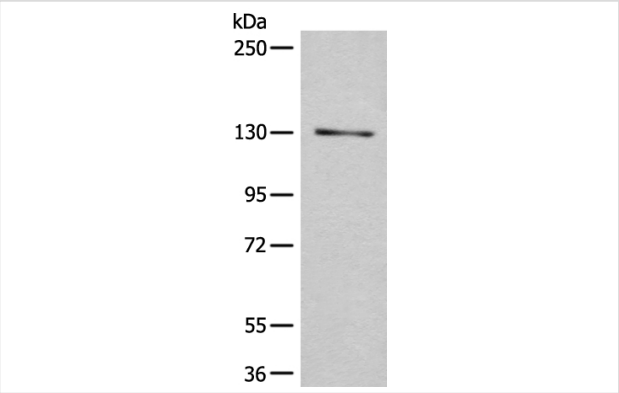
Product Name	CASR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CASR protein.
Immunogen Type	peptide
Immunogen Description	Synthetic protein corresponding to residues near the C terminal of human CASR
Target Name	CASR
Other Names	CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; GPRC2A; HYPOC1
Accession No.	Swiss-Prot:P41180NCBI Gene ID:846NCBI Protein:BC112236
Uniprot	P41180
GeneID	846;
Calculated MW	121 kDa
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

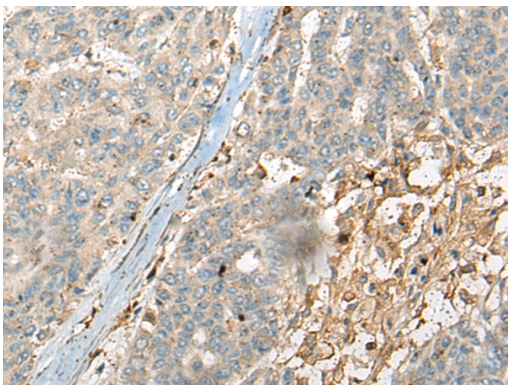
Western blotting: 1:200-1:1000

Immunohistochemistry: 1: 50-300

Images



Gel: 6%SDS-PAGE
lysate: 40 B¦Γ g, Lane: Hela cell lysate,
Primary antibody: 46408B£B¨CASR Antibody) at dilution 1/450
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
Exposure time: 2 minutes



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 46408(CASR Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: x200)

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.

Note: This product is for in vitro research use only