Rabbit anti-Human Calcium Sensing Receptor Polyclonal Antibody | anti-CASR antibody

Calcium Sensing Receptor Antibody: RPE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA253849	**Rabbit**	**Human**	**Immunofluorescence, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

Calcium Sensing Receptor; Polyclonal Antibody; Calcium Sensing Receptor Antibody: RPE; Rabbit Anti-Human Calcium Sensing Receptor Polyclonal; Hypocalciuric hypercalcemia 1 severe neonatal hyperparathyroidism Antibody; HHC Antibody; Extracellular calcium sensing receptor Antibody; FIH Antibody; Parathyroid Cell calcium-sensing receptor Antibody; CASR Antibody; CASR_HUMAN Antibody; Ca sensing receptor Antibody; Extracellular calcium-sensing receptor Antibody; PCAR1 Antibody; FHH Antibody; Ca2+ sensing receptor Antibody; EIG8 Antibody; Hypocalciuric hypercalcemia 1 Antibody; PCaR1 Antibody; GPRC2A Antibody; Extracellular calcium sensing receptor [Precursor] Antibody; PCAR 1 Antibody; Parathyroid cell calcium-sensing receptor 1 Antibody; HHC1 Antibody; Parathyroid Cell calcium sensing receptor Antibody; CAR Antibody; MGC138441 Antibody; NSHPT Antibody; CaSR Antibody; Ca2+ sensing receptor 1 Antibody; Parathyroid Ca(2+) sensing receptor 1 Antibody; anti-CASR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Detects ~140 kDa.
Purity/Purification	Peptide Affinity Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	1078
Applicable Applications for anti-CASR antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Target	Calcium Sensing Receptor
Immunogen	Synthetic peptide from the N-terminal (1-100 aa) of Human calcium-sensing receptor (CASR)
Immunogen Species	Human
Cellular Localization	Cell Membrane; Multi-Pass Membrane Protein
Conjugate	RPE
Storage Buffer	PBS, 50% glycerol, 0.09% sodium azide
Tissue Specificity	Expressed in the temporal lobe, frontal lobe, parietal lobe, hippocampus, and cerebellum. Also found in kidney, lung, liver, heart, skeletal muscle, placenta.
Preparation and Storage	Store at -20 degree C.

IMAGES

WB (Western Blot)
Western blot analysis of Rat Kidney cell lysates showing detection of 130kDa Calcium Sensing Receptor protein using Rabbit Anti-Calcium Sensing Receptor Polyclonal Antibody (SPC-713). Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat Kidney cell lysates. Load: 15 ug. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Calcium Sensing Receptor Polyclonal Antibody (SPC-713) at 1:1000 for 16 hours at 4 degree C. Secondary Antibody: Goat-Anti-Rabbit IgG: HRP at 1:200 for 60 min at RT. Color Development: TMB. Predicted/Observed Size: 130kDa.

ICC (Immunocytochemistry)
Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-Calcium Sensing Receptor Polyclonal Antibody (SPC-713). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-Calcium Sensing Receptor Polyclonal Antibody (SPC-713) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:200 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Cell Membrane, Multi-Pass Membrane Protein. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Calcium Sensing Receptor Antibody (D) Composite.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CASR antibody	Antibodies; Neuroscience; Neurotransmission; Neurotransmitter Receptors; Glutamate Receptors; Cell Signaling ; Cytoskeleton; Cancer; Cancer Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	37577159
NCBI GeneID	846
NCBI Accession #	NP_000379.2
NCBI GenBank Nucleotide #	NM_000388.3
UniProt Accession #	P41180; Q13912; Q16108; Q16109; Q16110; Q16379; Q2M1T0; Q4PJ19
Molecular Weight	121,773 Da
NCBI Official Full Name	extracellular calcium-sensing receptor isoform 2
NCBI Official Synonym Full Names	calcium sensing receptor
NCBI Official Symbol	CASR
NCBI Official Synonym Symbols	CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; hCasR; GPRC2A; HYPOC1
NCBI Protein Information	extracellular calcium-sensing receptor
UniProt Protein Name	Extracellular calcium-sensing receptor
UniProt Gene Name	**CASR**
UniProt Synonym Gene Names	PCaR1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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