

Rabbit CASR Polyclonal Antibody | anti-CASR antibody

CASR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40512	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

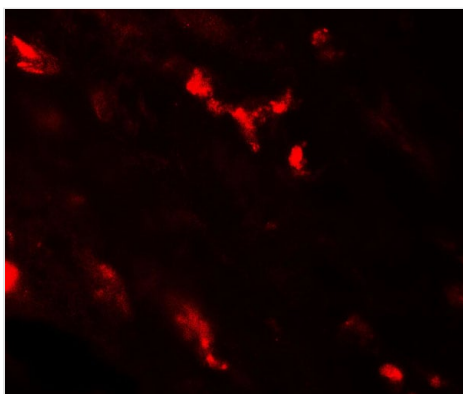
PRODUCT SYNONYMS

CASR; Polyclonal Antibody; CASR Antibody; CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; GPRC2A; HYPOC1; Extracellular calcium-sensing receptor; Parathyroid cell calcium-sensing receptor 1; CaSR; calcium-sensing receptor; anti-CASR antibody

PRODUCT SPECIFICATIONS

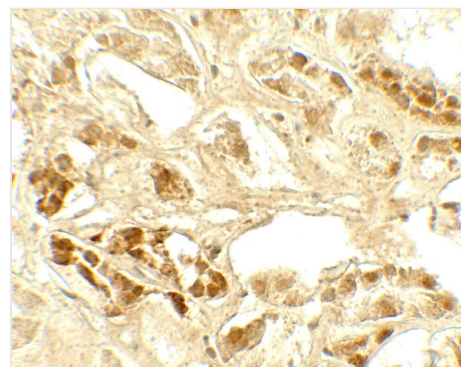
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CASR antibody is human, mouse and rat reactive. At least two isoforms of CASR are known to exist.
Purity/Purification	CASR antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1088
Applicable Applications for anti-CASR antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	CASR antibody was raised against a 15 amino acid peptide near the amino terminus of human CASR.
Buffer	CASR Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	CASR antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



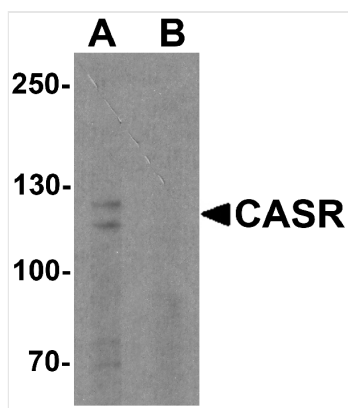
IF (Immunofluorescence)

Immunofluorescence of CASR in human kidney tissue with CASR antibody at 20 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of CASR in human kidney tissue with CASR antibody at 5 µg/mL.



WB (Western Blot)

Western blot analysis of CASR in EL4 cell lysate with CASR antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CASR antibody

The calcium-sensing receptor protein (CASR) 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 (1). 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 (1). Mutations in this gene cause familial hypocalciuric hypercalcemia, familial, isolated hypoparathyroidism, and neonatal severe primary hyperparathyroidism (1,2). Recent evidence suggests that activated CASR contributes to the cytokine secretion through the partial MAPK and NF-kappaB pathways in T cells (3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	296010811
NCBI GeneID	846
NCBI Accession #	NP_001171536
NCBI GenBank Nucleotide #	NM_001178065.1
UniProt Accession #	P41180 ; Q13912 ; Q16108 ; Q16109 ; Q16110 ; Q16379 ; Q2M1T0 ; Q4PJ19
Molecular Weight	Predicted: 101; 120 kDa Observed: 115; 125 kDa
NCBI Official Full Name	extracellular calcium-sensing receptor isoform 1
NCBI Official Synonym Full Names	calcium-sensing receptor
NCBI Official Symbol	CASR
NCBI Official Synonym Symbols	CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; GPRC2A; HYPOC1
NCBI Protein Information	extracellular calcium-sensing receptor; parathyroid Ca(2+)-sensing receptor 1; parathyroid cell calcium-sensing receptor 1
UniProt Protein Name	Extracellular calcium-sensing receptor
UniProt Gene Name	CASR
UniProt Synonym Gene Names	GPRC2A; PCAR1; CaSR; PCaR1
UniProt Entry Name	CASR_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/casr-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40512>