

CaSR (phospho Thr888) rabbit pAb**Cat#: orb770638 (Manual)**

For research use only. Not intended for diagnostic use.

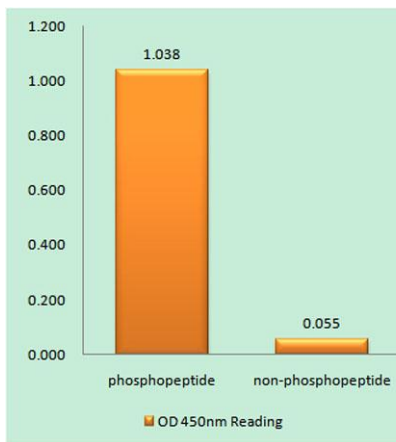
Product Name	CaSR (phospho Thr888) rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Calcium Sensing Receptor around the phosphorylation site of Thr888. AA range:854-903
Specificity	Phospho-CaSR (T888) Polyclonal Antibody detects endogenous levels of CaSR protein only when phosphorylated at T888.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Extracellular calcium-sensing receptor
Gene Name	CASR
Cellular localization	Cell membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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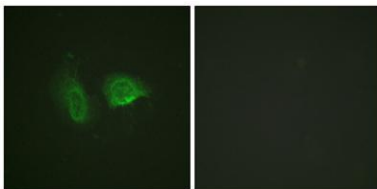
Concentration	1 mg/ml
Observed band	140kD
Human Gene ID	846
Human Swiss-Prot Number	P41180
Alternative Names	CASR; GPRC2A; PCAR1; Extracellular calcium-sensing receptor; CaSR; Parathyroid cell calcium-sensing receptor; PCaR1

Background

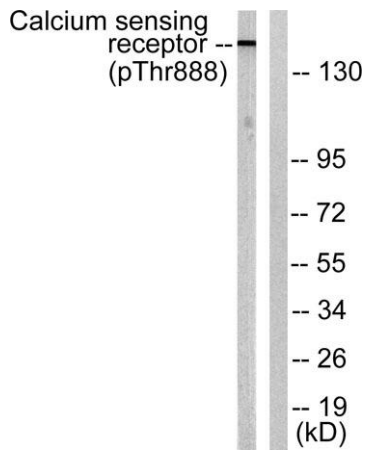
The protein encoded by this gene is a G protein-coupled receptor that is expressed in the parathyroid hormone (PTH)-producing chief cells of the parathyroid gland, and the cells lining the kidney tubule. It senses small changes in circulating calcium concentration and couples this information to intracellular 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. [provided by RefSeq, Jul 2008],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Calcium Sensing Receptor (Phospho-Thr888) Antibody



Immunofluorescence analysis of HeLa cells, using Calcium Sensing Receptor (Phospho-Thr888) Antibody. The picture on the right is blocked with the phosphopeptide.



Western blot analysis of lysates from LOVO cells, using Calcium Sensing Receptor (Phospho-Thr888) Antibody. The lane on the right is blocked with the phospho peptide.