



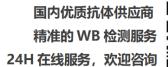
# yCaSR Polyclonal Antibod

Catalog No	BYab-13162
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	CASR
Protein Name	Extracellular calcium-sensing receptor
Immunogen	The antiserum was produced against synthesized peptide derived from human Calcium Sensing Receptor. AA range:854-903
Specificity	CaSR Polyclonal Antibody detects endogenous levels of CaSR protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000 IF 1:50-200
Concentration	1 mg/ml
Concentration Purity	1 mg/ml ≥90%
Purity	≥90%
Purity Storage Stability	≥90%  -20°C/1 year  CASR; GPRC2A; PCAR1; Extracellular calcium-sensing receptor; CaSR;
Purity Storage Stability Synonyms	≥90%  -20°C/1 year  CASR; GPRC2A; PCAR1; Extracellular calcium-sensing receptor; CaSR; Parathyroid cell calcium-sensing receptor; PCaR1
Purity Storage Stability Synonyms Observed Band	≥90%  -20°C/1 year  CASR; GPRC2A; PCAR1; Extracellular calcium-sensing receptor; CaSR; Parathyroid cell calcium-sensing receptor; PCaR1  140kD

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autosomal recessive life-threatening disorder characterized by very high serum calcium concentrations, skeletal demineralization, and parathyroid hyperplasia

#### **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],

## matters needing attention

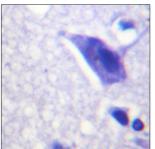
Avoid repeated freezing and thawing!

### **Usage suggestions**

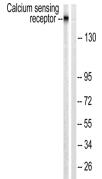
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### **Products Images**





Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Calcium Sensing Receptor Antibody. The picture on the right is blocked with the synthesized peptide.



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

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