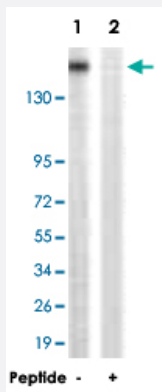


CASR polyclonal antibody

Catalog # PAB18311 Size 100 ug

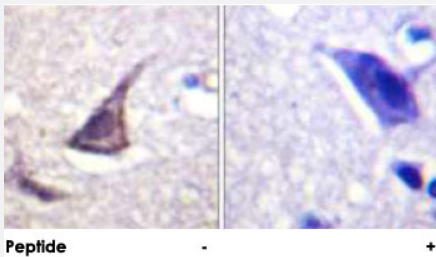
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from LoVo cells, using CASR polyclonal antibody (Cat # PAB18311).

Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using CASR polyclonal antibody (Cat # PAB18311).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CASR.
Immunogen	A synthetic peptide corresponding to residues surrounding T888 of human CASR.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to CASR.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from LoVo cells, using CASR polyclonal antibody (Cat # PAB18311).
Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using CASR polyclonal antibody (Cat # PAB18311).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CASR

Entrez GeneID	846
Protein Accession#	P41180
Gene Name	CASR
Gene Alias	CAR, FHH, FIH, GPRC2A, HHC, HHC1, MGC138441, NSHPT, PCAR1
Gene Description	calcium-sensing receptor
Omim ID	145980 146200 239200 601199
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

extracellular calcium-sensing receptor|parathyroid Ca(2+)-sensing receptor 1

Publication Reference

- [Type 2 Diabetes Biomarkers and Uses Thereof.](#)

Eustache Paramithiotis, Marc Prentki, R  mi Rabasa-Ihoret, Pascal Croteau, Joel Lanoix, Murthy S. R. Madiraju,   rik Joly
United States Patent Application Publication 2015 Nov; [Epub].

Application: IF, WB, Human, Mouse, Rat, Islets, INS832/13, MIN6 cells

- [Calcium-sensing receptor ubiquitination and degradation mediated by the E3 ubiquitin ligase dorf  n.](#)

Huang Y, Niwa J, Sobue G, Breitwieser GE.

Journal of Biological Chemistry 2006 Apr; 281(17):11610.

Disease

- [Adenoma](#)
- [Alzheimer disease](#)
- [Aortic Valve Stenosis](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Calcinosis](#)
- [Calcium Metabolism Disorders](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
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- [Diabetes Mellitus](#)
- [Disease Progression](#)
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- [Recurrence](#)
- [Renal Insufficiency](#)
- [Spinal Fractures](#)
- [Translocation](#)
- [Urinary Bladder Neoplasms](#)
- [Vitamin D Deficiency](#)
- [Werner syndrome](#)