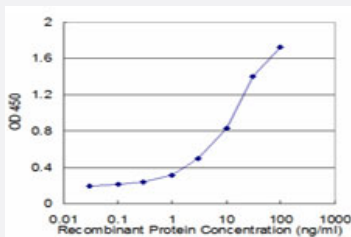


CASR monoclonal antibody (M01), clone 3F12

Catalog # H00000846-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CASR is approximately 0.3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CASR.
Immunogen	CASR (NP_000379, 21 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GPDQRAQKKGDILGGLFPIHFGVAAKDQDLKSRPESVEICIRYNFRGFRWLQAMIFAIEEINSSPAL LPNLTGYSRIFDTCNTVSKALEATLSFVAQNKI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CASR is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CASR

Entrez GeneID [846](#)

GeneBank Accession# [NM_000388](#)

Protein Accession# [NP_000379](#)

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

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](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hypercalcemia](#)
- [Hypercalciuria](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Hypocalcemia](#)
- [Hypoparathyroidism](#)
- [Hypotension](#)
- [Kidney Calculi](#)

- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Mitral Valve Stenosis](#)
- [Multiple endocrine neoplasia](#)
- [Myocardial Infarction](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Nephrolithiasis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Pancreatitis](#)
- [Parathyroid Neoplasms](#)
- [Postoperative Complications](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Spinal Fractures](#)
- [Translocation](#)
- [Urinary Bladder Neoplasms](#)
- [Vitamin D Deficiency](#)
- [Werner syndrome](#)