

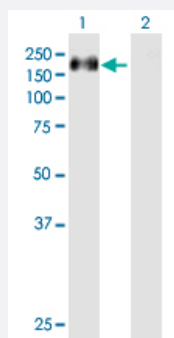
MaxPab®

CASR purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000846-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CASR expression in transfected 293T cell line ([H00000846-T01](#)) by CASR MaxPab polyclonal antibody.

Lane 1: CASR transfected lysate(120.60 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CASR protein.

Immunogen

CASR (NP_000379.2, 1 a.a. ~ 1078 a.a) full-length human protein.

Sequence

MAFYSCCWVLLALTWHTSAYGPDQRAQKKGDII LGG LFP I HFGVAAKDQDLKSRPESVECIRYNF
RGFRWLQAMIFAIEEINSSPALLPNLTG YRIFDTCNTVSKALEATLSFVAQNKIDSLNLDEFCNCSE
HIPSTIAVVGATGSGVSTAVANLLGLFYIPQVSYASSSRLLSNKNQFKSFLRTIPNDEHQATAMADII
EYFRWNWVGTAADDDYGRPGIEKFREAEERDIDFSELISQYSDEEEIQHVVEVIQNSTAKVIVV
FSSGPDLEPLIKEIVRRNITGKIWLASEAWASSSLIAMPQYFHVVG GTIGFALKAGQIPGFREFLKKV
HPRKSVHNGFAKEFW EETFNCHLQEGAKGPLPVD TFLRGHEESGDRFSNSSTA FRPLCTGDENI
SSVETPYIDYTHLRISYNVYLAVYSIAHALQDIYTCLPGRGLFTNGSCADIKKVEAWQVLKHLRHLNF
TNNMGEQVTFDECGDLVGNYSIINWHLSPEDGSIVFKEVGYYNVYAKKGERL FINEEKILWSGFSR
EVPFSNCSRDCLAGTRKGII EGEPTCCFECVECPDGEYSDET DASACNKCPDDFWSNENHTSCI
AKEIEFLSWTEPF GIALTLFAVLGIFLTAFLVGVFIKFRNTPIVKATNRELSYLLLSLLCCFSSSLFFI
GEPQDWTCRLRQPAFGISFVLCISCILVKTNRVLLVFEAKIPTSFHRKWWGLNLQFLLVFLCTFMQI
VICVMWLYTAPPSSYRNQELEDEIIFITCHEGSLMALGFLIGYTCLLAAICFFFAFKSRKLPENFNEAK
FITFSMLIFFMWISFIPAYASTYGKFVSAVEVIALAASFGLLACIFFNKMILFKPSRNTIEEVR CSTAA
HAFKVAARATLRRSNVSRKRSSSLGGSTGSTPSSSISSKSNS EDPFPQPERQKQQQPLALTQQE
QQQQPLTLPQQQRSQQQPRCKQKVIFGSGTVTFSLSFDEPQKNAMAHGNSTHQNSLEAQKSSD
TLTRHQPLLPLQCGETDLDTVQETGLQGPVGGDQRPEVEDPEELSPALVVSSSQSFVISGGGS
TVTENVVNS

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (94)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — CASR

Entrez GeneID	846
GeneBank Accession#	NM_000388
Protein Accession#	NP_000379.2
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](#)