

ARG58074 anti-CaSR / Calcium Sensing Receptor antibody

Package: 100 μl Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CaSR / Calcium Sensing Receptor
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	CaSR / Calcium Sensing Receptor
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 874-1088 of Human CaSR (NP_001171536.1).
Conjugation	Un-conjugated
Alternate Names	Extracellular calcium-sensing receptor; EIG8; FHH; PCaR1; CAR; HHC1; GPRC2A; Parathyroid cell calcium- sensing receptor 1; HHC; PCAR1; CaSR; HYPOC1; FIH; NSHPT

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SH-SY5Y	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

www.arigobio.com

Bioinformation

Gene Symbol	CASR
Gene Full Name	calcium-sensing receptor
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]
Function	Senses changes in the extracellular concentration of calcium ions. The activity of this receptor is mediated by a G-protein that activates a phosphatidylinositol-calcium second messenger system. [UniProt]
Calculated Mw	121 kDa
PTM	N-glycosylated.
	Ubiquitinated by RNF19A; which induces proteasomal degradation. [UniProt]
Cellular Localization	Cell membrane, Multi-pass membrane protein. [UniProt]

Images



ARG58074 anti-CaSR / Calcium Sensing Receptor antibody WB image

Western blot: 25 μg of SH-SY5Y cell lysate stained with ARG58074 anti-CaSR / Calcium Sensing Receptor antibody at 1:1000 dilution.