

ARG44093 anti-PTH2R antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes PTH2R
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PTH2R
Species	Human
Immunogen	Human PTH2R recombinant protein (Position: A22-E511).
Conjugation	Un-conjugated
Alternate Names	PTH2R; Parathyroid Hormone 2 Receptor 2; PTHR2; Parathyroid Hormone Receptor 2; PTH2 Receptor

Application Instructions

Application table	Application	Dilution
	ICC/IF	5 µg/ml
	WB	0.25 - 0.5 µg/ml
Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

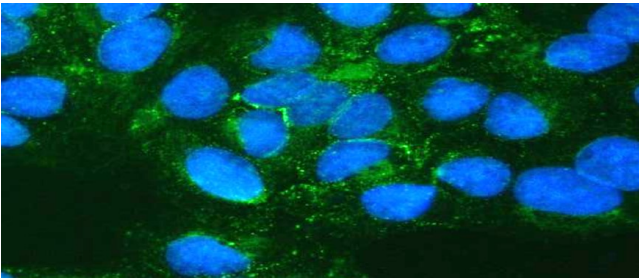
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
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 or below. 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.

Bioinformation

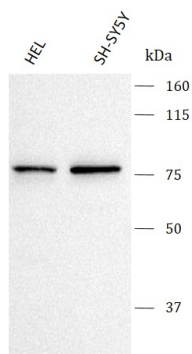
Gene Symbol	PTH2R
Gene Full Name	Parathyroid Hormone 2 Receptor
Background	The protein encoded by this gene is a member of the G-protein coupled receptor 2 family. This protein is a receptor for parathyroid hormone (PTH). This receptor is more selective in ligand recognition and has a more specific tissue distribution compared to parathyroid hormone receptor 1 (PTH1R). It is activated only by PTH and not by parathyroid hormone-like hormone (PTHrP) and is particularly abundant in brain and pancreas. Alternative splicing results in multiple transcript variants.
Function	This is a specific receptor for parathyroid hormone. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. PTH2R may be responsible for PTH effects in a number of physiological systems. It may play a significant role in pancreatic function. PTH2R presence in neurons indicates that it may function as a neurotransmitter receptor.
Calculated Mw	62 kDa
PTM	Glycoprotein
Cellular Localization	Cell membrane, Membrane

Images



ARG44093 anti-PTH2R antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG44093 anti-PTH2R antibody at 5 µg/ml dilution.



ARG44093 anti-PTH2R antibody WB image

Western blot: HEL and SH-SY5Y stained with ARG44093 anti-PTH2R antibody at 0.5 µg/mL dilution.