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PTH2R Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9263c

Specification

PTH2R Antibody (Center) Blocking Peptide - Product Information

Primary Accession P49190

PTH2R Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5746

Other Names
Parathyroid hormone 2 receptor, PTH2 receptor, PTH2R, PTHR2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP9263c was selected from the Center region of human PTH2R. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PTH2R Antibody (Center) Blocking Peptide - Protein Information

Name PTH2R

Synonyms PTHR2

PTH2R Antibody (Center) Blocking Peptide - Background

The protein is a member of the G-protein coupled receptor family 2. 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 (PTHR1). It is activated only by PTH and not by parathyroid hormone-like hormone (PTHLH) and is particularly abundant in brain and pancreas.

PTH2R Antibody (Center) Blocking Peptide - References

Bago,A.G., et.al, Neuroscience 162 (1), 128-147 (2009)Mann,R., et.al, Mol. Pharmacol. 74 (3), 605-613 (2008)Tenne,M., et.al, Bone 42 (4), 719-727 (2008)

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 (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
Expressed abundantly in brain and pancreas. Also expressed in the testis.

PTH2R Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides