

PTH2R Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9263c**Specification**

PTH2R Antibody (Center) Blocking Peptide - Product InformationPrimary 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](/products/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**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](#)

PTH2R Antibody (Center) Blocking Peptide - Images**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 (PTH1R). It is activated only by PTH and not by parathyroid hormone-like hormone (PTHrP) 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)