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TSHR Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP4864b

Specification

TSHR Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P16473

TSHR Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7253

Other Names
Thyrotropin receptor, Thyroid-stimulating hormone receptor, TSH-R, TSHR, LGR3

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.

TSHR Antibody (C-term) Blocking Peptide - Protein Information

Name TSHR

Synonyms LGR3

Function
Receptor for the thyroid-stimulating hormone (TSH) or thyrotropin (PubMed:11847099, PubMed:12045258). Also acts as a receptor for the heterodimeric glycoprotein hormone (GPHA2:GPHB5) or thyrostimulin (PubMed:12045258). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed:11847099). Plays a central role in controlling thyroid cell metabolism (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein

Tissue Location
Expressed in thyroide cells (at protein level) (PubMed:11847099). Expressed in the thyroid (PubMed:2610690)

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TSHR Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

TSHR Antibody (C-term) Blocking Peptide - Images

TSHR Antibody (C-term) Blocking Peptide - Background

TSHR is a membrane protein and a major controller of thyroid cell metabolism. The encoded protein is a receptor for thyrothropin and thyrostimulin, and its activity is mediated by adenylate cyclase. Defects in this gene are a cause of several types of hyperthyroidism.

TSHR Antibody (C-term) Blocking Peptide - References

Sun, S.C., et al. J. Biol. Chem. 285(6):3758-3765(2010)Liu, C., et al. Ann. Otol. Rhinol. Laryngol. 119(2):118-124(2010)Atzmon, G., et al. J. Clin. Endocrinol. Metab. 94(12):4768-4775(2009)