

**TRHR Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18399c****Specification**

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**TRHR Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P34981](#)**TRHR Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 7201**Other Names**

Thyrotropin-releasing hormone receptor, TRH-R, Thyroliberin receptor, TRHR

**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.

**TRHR Antibody (Center) Blocking Peptide - Protein Information****Name** TRHR**Function**

Receptor for thyrotropin-releasing hormone (TRH). Upon ligand binding, this G-protein-coupled receptor triggers activation of the phosphatidylinositol (IP3)-calcium-protein kinase C (PKC) pathway.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**TRHR Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**TRHR Antibody (Center) Blocking Peptide - Images****TRHR Antibody (Center) Blocking Peptide - Background**

Thyrotropin-releasing hormone (TRH; MIM 275120), a small neuropeptide, is widely distributed throughout the central and peripheral nervous system as well as in extraneural tissues. The peptide is synthesized in the hypothalamus and transported by the portal vascular system to the anterior pituitary where it acts on thyrotropic and lactotropic cells to promote secretion of TSH and prolactin, respectively. Thyrotropin-releasing hormone receptor is a G protein-coupled receptor that activates the inositol phospholipid-calcium-protein kinase C transduction pathway upon the binding of TRH. The TRHR gene is expressed in the thyrotrope cells of the anterior pituitary.

#### **TRHR Antibody (Center) Blocking Peptide - References**

Gehret, A.U., et al. Biochem. J. 428(2):235-245(2010) Gehret, A.U., et al. Mol. Pharmacol. 77(2):288-297(2010) Zhu, C.C., et al. J. Biol. Chem. 277(31):28228-28237(2002) Matre, V., et al. J. Neurochem. 72(1):40-50(1999) Iwasaki, T., et al. J. Biol. Chem. 271(36):22183-22188(1996)