

# TRHR Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP18399c

### **Specification**

## 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

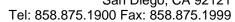
Provided below are standard protocols that you may find useful for product applications.

## Blocking Peptides

TRHR Antibody (Center) Blocking Peptide - Images

### TRHR Antibody (Center) Blocking Peptide - Background







Thyrotropin-releasing hormone (TRH; MIM 275120), a smallneuropeptide, is widely distributed throughout the central andperipheral nervous system as well as in extraneural tissues. Thepeptide is synthesized in the hypothalamus and transported by theportal vascular system to the anterior pituitary where it acts onthyrotropic and lactotropic cells to promote secretion of TSH and prolactin, respectively. Thyrotropin-releasing hormone receptor isa G protein-coupled receptor that activates the inositolphospholipid-calcium-protein kinase C transduction pathway upon thebinding of TRH. The TRHR gene is expressed in the thyrotrope cellsof 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)