

TRHR Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18399c

Product Information

Application WB, E Primary Accession P34981

Other Accession <u>001717, NP 003292.1</u>

Reactivity Human **Predicted** Rat Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB38442 **Calculated MW** 45085 **Antigen Region** 209-238

Additional Information

Gene ID 7201

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

Target/Specificity This TRHR antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 209-238 amino acids from the Central

region of human TRHR.

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

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

at -20°C in small aliquots to prevent freeze-thaw cycles.

PrecautionsTRHR Antibody (Center) is for research use only and not for use in diagnostic

or therapeutic procedures.

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.

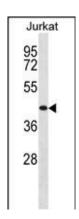
Background

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.

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)

Images



TRHR Antibody (Center) (Cat. #AP18399c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the TRHR Antibody detected the TRHR protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.