10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRH Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21788b

Specification

TRH Antibody (C-Term) - Product Information

Application	**WB,E**
Primary Accession	P20396
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**27404**

TRH Antibody (C-Term) - Additional Information

Gene ID 7200

Other Names
Pro-thyrotropin-releasing hormone, Pro-TRH, Prothyroliberin, Thyrotropin-releasing hormone, TRH, Protirelin, TSH-releasing factor, Thyroliberin, Thyrotropin-releasing factor, TRF, TRH

Target/Specificity
This TRH antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 157-191 amino acids from human TRH.

Dilution
WB~~1:2000

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.

Precautions
TRH Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

TRH Antibody (C-Term) - Protein Information

Name TRH

Function As a component of the hypothalamic-pituitary-thyroid axis, it controls the secretion of thyroid-stimulating hormone (TSH) and is involved in thyroid hormone synthesis regulation. It also operates as modulator of hair growth. It promotes hair-shaft elongation, prolongs the hair cycle

growth phase (anagen) and antagonizes its termination (catagen) by TGFB2. It stimulates proliferation and inhibits apoptosis of hair matrix keratinocytes.

Cellular Location
Secreted.

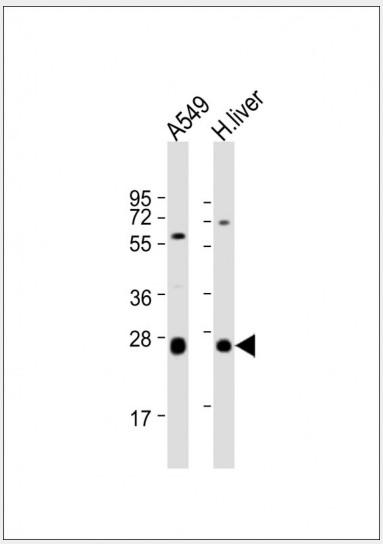
Tissue Location
Hypothalamus. Expressed in the hair follicle epithelium (at protein level).

TRH Antibody (C-Term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TRH Antibody (C-Term) - Images



All lanes : Anti-TRH Antibody (C-Term) at 1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 27 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

TRH Antibody (C-Term) - Background

Functions as a regulator of the biosynthesis of TSH in the anterior pituitary gland and as a neurotransmitter/ neuromodulator in the central and peripheral nervous systems. May promote hair shaft elongation, prolonge the hair cycle growth phase (anagen) and antagonized its termination by TGFB2. May also increase proliferation and inhibited apoptosis of hair matrix keratinocytes.

TRH Antibody (C-Term) - References

Yamada M.,et al.Mol. Endocrinol. 4:551-556(1990).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Gaspar E.,et al.FASEB J. 24:393-403(2010).