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TRH Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21788b

Product Information

Application	WB, E
Primary Accession	P20396
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53680
Calculated MW	27404

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

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).

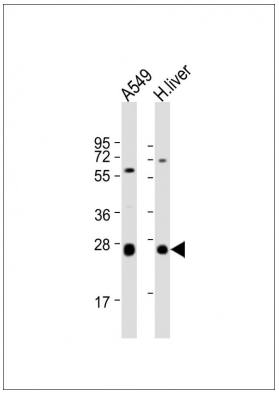
Background

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.

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).

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.

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