

TRH Polyclonal antibody

Catalog Number: 25332-1-AP

Basic Information

Catalog Number:

25332-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12623

GenBank Accession Number:

BC074889

GeneID (NCBI):

7200

UNIPROT ID:

P20396

Full Name:

thyrotropin-releasing hormone

Calculated MW:

242 aa, 27 kDa

Observed MW:

27-33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF-P 1:50-1:500

Applications

Tested Applications:

IF-P, WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : A549 cells, BxPC-3 cells

IF-P : mouse cerebellum tissue,

Background Information

TRH, Thyrotropin-releasing hormone, as a component of the hypothalamic-pituitary-thyroid axis, controls the secretion of thyroid-stimulating hormone (TSH) and is involved in thyroid hormone synthesis regulation. It also operates as modulator of hair growth and promotes hair-shaft elongation, prolongs the hair cycle growth phase (anagen) and antagonizes its termination (catagen) by TGFβ2. It stimulates proliferation and inhibits apoptosis of hair matrix keratinocytes. TRH is expressed in hypothalamus and the hair follicle epithelium (PMID: 19825978).

Storage

Storage:

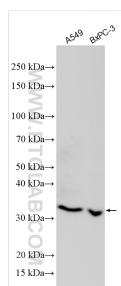
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

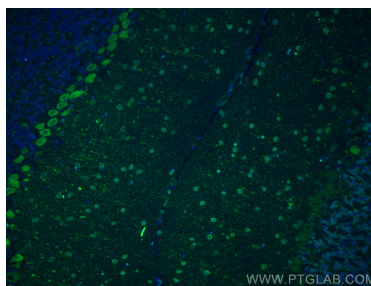
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25332-1-AP (TRH antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using TRH antibody (25332-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).