

For Research Use Only

# TRHR Polyclonal antibody

Catalog Number: 23872-1-AP



## Basic Information

**Catalog Number:**

23872-1-AP

**Size:**

150ul , Concentration: 380 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG20612

**GenBank Accession Number:**

BC113360

**GeneID (NCBI):**

7201

**UNIPROT ID:**

P34981

**Full Name:**

thyrotropin-releasing hormone receptor

**Calculated MW:**

398 aa, 45 kDa

**Observed MW:**

35 kDa

**Purification Method:**

Antigen Affinity purified

**Recommended Dilutions:**

WB: 1:500-1:3000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

WB : mouse brain tissue,

## Background Information

TRHR is a Gq-coupled neuroendocrine GPCR that mediates the actions of thyrotropin-releasing hormone in the anterior pituitary and brain. By activating PLC-Ca<sup>2+</sup> signaling, TRHR controls TSH secretion, regulates thyroid hormone output, and influences metabolic rate and neuroendocrine behavior. Genetic or functional disruption of TRHR leads to central hypothyroidism and broader metabolic and neurological consequences, highlighting its essential role in HPT axis regulation.

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

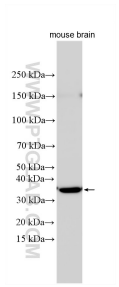
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23872-1-AP (TRHR antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.