

For Research Use Only

TRHR Polyclonal antibody, PBS Only

Catalog Number: 23872-1-PBS



Basic Information

Catalog Number:

23872-1-PBS

Size:

100ug, Concentration: 1 mg/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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

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-Ca²⁺ 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 -80°C.

Storage Buffer:

PBS only, pH7.3

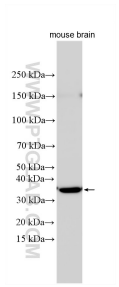
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 23872-1-PBS in a different storage buffer formulation.