

For Research Use Only

TRHR Polyclonal antibody

Catalog Number: 23872-1-AP



Basic Information

Catalog Number: 23872-1-AP	GenBank Accession Number: BC113360	Purification Method: Antigen Affinity purified
Source: Rabbit	GeneID (NCBI): 7201	Recommended Dilutions: WB: 1:500-1:3000
Isotype: IgG	UNIPROT ID: P34981	
Immunogen Catalog Number: AG20612	Full Name: thyrotropin-releasing hormone receptor	
	Calculated MW: 398 aa, 45 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue,
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 -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

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

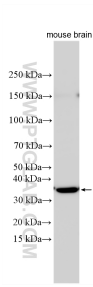
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Selected Validation Data



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.