

TSHR Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21182c

Specification

TSHR Antibody (Center) - Product Information

Application WB,E
Primary Accession P16473
Reactivity Mouse
Host Rabbit
Clonality polyclonal
Isotype Rabbit IgG
Calculated MW 86844

TSHR Antibody (Center) - Additional Information

Gene ID 7253

Other Names

Thyrotropin receptor, Thyroid-stimulating hormone receptor, TSH-R, TSHR, LGR3

Target/Specificity

This TSHR antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 217-252 amino acids from the Central region of human TSHR.

Dilution

WB~~1:1000

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

TSHR Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

TSHR Antibody (Center) - Protein Information

Name TSHR

Synonyms LGR3

Function Receptor for the thyroid-stimulating hormone (TSH) or thyrotropin (PubMed: 11847099,



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PubMed: 12045258). Also acts as a receptor for the heterodimeric glycoprotein hormone (GPHA2:GPHB5) or thyrostimulin (PubMed:12045258). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed:11847099). Plays a central role in controlling thyroid cell metabolism (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein

Tissue Location

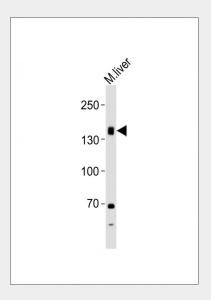
Expressed in thyroide cells (at protein level) (PubMed:11847099). Expressed in the thyroid (PubMed:2610690)

TSHR Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

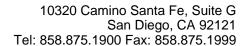
TSHR Antibody (Center) - Images



Anti-TSHR Antibody (Center) at 1:1000 dilution + mouse liver lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size: 87 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

TSHR Antibody (Center) - Background

Receptor for thyrothropin. Plays a central role in controlling thyroid cell metabolism. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Also acts as a receptor for thyrostimulin (GPA2+GPB5).





TSHR Antibody (Center) - References

Nagayama Y., et al. Biochem. Biophys. Res. Commun. 165:1184-1190(1989). Libert F., et al. Biochem. Biophys. Res. Commun. 165:1250-1255(1989). Misrahi M., et al. Biochem. Biophys. Res. Commun. 166:394-403(1990). Frazier A.L., et al. Mol. Endocrinol. 4:1264-1276(1990). Graves P.N., et al. Biochem. Biophys. Res. Commun. 187:1135-1143(1992).