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TSHR (aa101-115) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3630a

Specification

TSHR (aa101-115) Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	P16473
Other Accession	NP_000360.2, NP_001018046.1, 7253
Reactivity	**Human**
Predicted	**Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**86830**

TSHR (aa101-115) Antibody (internal region) - Additional Information

Gene ID 7253

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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TSHR (aa101-115) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

TSHR (aa101-115) Antibody (internal region) - Protein Information

Name TSHR

Synonyms LGR3

Function
Receptor for the thyroid-stimulating hormone (TSH) or thyrotropin (PubMed:11847099, 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 (aa101-115) Antibody (internal region) - 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 (aa101-115) Antibody (internal region) - Images



AF3630a (0.5 µg/ml) staining of Human Thyroid gland lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

TSHR (aa101-115) Antibody (internal region) - Background

This antibody is expected to recognize reported isoform 1 (NP_000360.2) and isoform 2 (NP_001018046.1). The immunizing peptide sequence corresponds to a part of the extracellular domain.

TSHR (aa101-115) Antibody (internal region) - References

Subclinical nonautoimmune hyperthyroidism in a family segregates with a thyrotropin receptor mutation with weakly increased
constitutive activity. Nishihara E, Chen CR, Higashiyama T, Mizutori-Sasai Y, Ito M, Kubota S, Amino N, Miyauchi A, Rapoport B. Thyroid. 2010 Nov;20(11):1307-14. PMID: 20929407