



TSHR Polyclonal Antibody

E91012

Catalog Number: E91012**Amount:** 100ul

Background: Thyroid stimulating hormone (also known as thyrotropin or TSH) is a glycoprotein hormone produced by thyrotrophs in the anterior pituitary gland. The TSH receptor (TSHR), mainly expressed on the thyroid epithelial cells, is a G protein-coupled receptor (GPCR) of the seven-transmembrane domain family and plays a central role in controlling thyroid cell metabolism. The gene of TSHR maps to chromosome 14q31.1, and encodes a 764-amino acid protein with a predicted unmodified molecular weight of 86.8 kDa. The apparent molecular weight of glycosylated form is 95-120 kDa. Studies reveal that TSHR is composed of two subunits, A and B, which are produced by cleavage of single-chain TSHR on the cell surface and subsequently connected by disulfide bonds. This rabbit polyclonal antibody raised against N-terminal region (1-243 aa) of human TSHR can detect subunit A with an experimentally determined molecular weight of 62-70 kDa under reducing condition. (PMID: 20578897, 17158770, 12593718)

Species: Rabbit**Isotype:** IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: CHNG1; LGR3; MGC75129; hTSHR-I

Immunogen: Recombinant protein of human TSHR

Purification: Affinity purification

Reactivity: H M

Applications: WB

Molecular Weight: 87kDa

Swiss-Prot No.: P16473

Gene ID: 7253

