

## **Product datasheet for TA346254**

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# TSH Receptor (TSHR) Rabbit Polyclonal Antibody

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

**Isotype:** IgG

Clonality: Polyclonal

**Immunogen:** The immunogen for anti-TSHR antibody: synthetic peptide directed towards the N terminal of

human TSHR. Synthetic peptide located within the following region: CHQEEDFRVTCKDIQRIPSLPPSTQTLKLIETHLRTIPSHAFSNLPNISR

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Purification: Affinity Purified

**Conjugation:** Unconjugated

**Store** at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 28 kDa

**Gene Name:** thyroid stimulating hormone receptor

Database Link: NP 001018046

Entrez Gene 7253 Human

P16473

**Background:** TSHR is receptor for thyrothropin. It plays a central role in controlling thyroid cell metabolism.

The activity of this receptor is mediated by G proteins which activate adenylate cyclase. It also

acts as a receptor for thyrostimulin (GPA2+GPB5).

Synonyms: CHNG1; hTSHR-I; LGR3

**Note:** Immunogen Sequence Homology: Human: 100%; Sheep: 100%; Bovine: 93%; Dog: 86%; Horse:

86%; Rat: 79%; Mouse: 79%; Rabbit: 77%





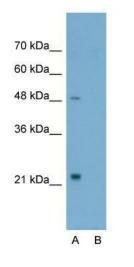
**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Autoimmune thyroid disease, Neuroactive ligand-receptor interaction

### **Product images:**



WB Suggested Anti-TSHR Antibody Titration: 1.25 ug/ml; Positive Control: Jurkat cell lysateThere is BioGPS gene expression data showing that TSHR is expressed in Jurkat



### Anti-TSHR Western Blot & Peptide Block Validation

Lysate: Jurkat Cell

Lane A: Primary Antibody

Lane B: Primary Antibody + Blocking Peptide

Primary Antibody Concentration: 2.5µg/ml Peptide Concentration: 2.0µg/ml Lysate Quantity: 25µg/lane Gel Concentration: 12% Host: Rabbit; Target Name: TSHR; Sample Tissue: Jurkat; Lane A: Primary Antibody; Lane B: Primary Antibody + Blocking Peptide; Primary Antibody Concentration: 2.5 ug/mL; Peptide Concentration: 2.0 ug/mL; Lysate Quantity: 25 ug/lane; Gel Concentration: 12%There is BioGPS gene expression data showing that TSHR is expressed in Jurkat