

Product datasheet for **TA346254**

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: CHQEEDFRVTCKDIQRIPSLPSTQTLKLIETHLRTIPSHAFSNLPNISR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	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 thyrothopin. 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%



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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 lysate
There 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