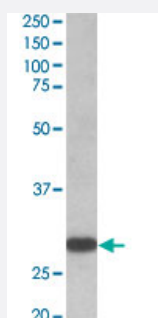


TSHR polyclonal antibody

Catalog # PAB27584 Size 100 ug

Applications



Western Blot (Tissue lysate)

TSHR polyclonal antibody (Cat # PAB27584) (0.5ug/ml) staining of human thyroid gland lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TSHR.
Immunogen	A synthetic peptide corresponding to amino acids 101-115 at internal region of human TSHR.
Sequence	SKVTHIEIRNTRNLT
Host	Goat
Theoretical MW (kDa)	28
Reactivity	Chicken, Human
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (0.5-2ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — TSHR

Entrez GeneID[7253](#)**Protein Accession#**[NP_000360.2;NP_001018046.1](#)**Gene Name**

TSHR

Gene Alias

CHNG1, LGR3, MGC75129, hTSHR-I

Gene Description

thyroid stimulating hormone receptor

Omim ID[603372](#) [603373](#) [609152](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a membrane protein and a major controller of thyroid cell metabolism. The encoded protein is a receptor for thyrotropin and thyrostimulin, and its activity is mediated by adenylate cyclase. Defects in this gene are a cause of several types of hyperthyroidism. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

seven transmembrane helix receptor|thyroid stimulating hormone receptor, isoform 2|thyrotropin receptor|thyrotropin receptor-I, hTSHR-I

Publication Reference

- [Whole genome analyses reveal novel genes associated with chicken adaptation to tropical and frigid environments.](#)

Shourong Shi, Dan Shao, Lingyun Yang, Qiqi Liang, Wei Han, Qian Xue, Liang Qu, Li Leng, Yishu Li, Xiaogang Zhao, Ping Dong, Muhammed Walugembe, Boniface B Kayang, Amandus P Muhairwa, Huaijun Zhou, Haibing Tong.

Journal of Advanced Research 2022 Jul; S2090-1232(22):159.

Application: WB-Ce, Chicken, Chicken liver

Pathway

- [Autoimmune thyroid disease](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Abortion](#)
- [Congenital Hypothyroidism](#)
- [Connective Tissue Diseases](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Goiter](#)
- [Graves Disease](#)
- [Graves Ophthalmopathy](#)
- [Hashimoto Disease](#)
- [Hypertension](#)
- [Hypothyroidism](#)
- [Infection](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)

- [Mitral Valve Prolapse](#)
- [Musculoskeletal Diseases](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Skin Diseases](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Thyroid Nodule](#)
- [Thyroiditis](#)
- [Thyrotoxicosis](#)
- [Tobacco Use Disorder](#)