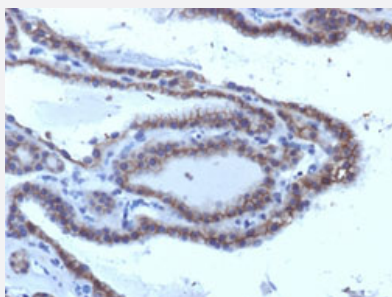


TSHR, A Chain monoclonal antibody, clone SPM223

Catalog # MAB15018 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human thyroid carcinoma with TSHR, A Chain monoclonal antibody, clone SPM223 (Cat # MAB15018).

Specification

Product Description Mouse monoclonal antibody raised against full length recombinant human TSHR, A Chain.

Immunogen Recombinant protein corresponding to full length human TSHR, A Chain.

Host Mouse

Theoretical MW (kDa) 62

Reactivity Human

Form Liquid

Purification Protein A/G purification

Isotype IgG1

Recommend Usage
 Flow Cytometry (0.5-1 ug/10⁶ cells)
 Immunofluorescence (1-2 ug/mL)
 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

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

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human thyroid carcinoma with TSHR, A Chain monoclonal antibody, clone SPM223 (Cat # MAB15018).

- Immunofluorescence

- Flow Cytometry

Gene Info — TSHR

Entrez GeneID

[7253](#)

Protein Accession#

[P16473](#)

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

- [Subunit structure of thyrotropin receptors expressed on the cell surface.](#)

K Tanaka, G D Chazenbalk, S M McLachlan, B Rapoport.

The Journal of Biological Chemistry 1999 Nov; 274(48):33979.

Application: IP, Hamster, CHO cells

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](#)