

Anti-TSH Receptor/TSH-R antibody [4C1] ab27974

6 References [画像数 1](#)

製品の概要

製品名	Anti-TSH Receptor/TSH-R antibody [4C1]
製品の詳細	Mouse monoclonal [4C1] to TSH Receptor/TSH-R
由来種	Mouse
アプリケーション	適用あり: IHC-P 適用なし: ELISA
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
エピトープ	Ab27974 reacts with an epitope located in the extracellular region of TSH receptor.
ポジティブ・コントロール	Human Thyroid gland.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	pH: 7.40 Preservative: 0.09% Sodium azide Constituent: PBS
精製度	Protein G purified
特記事項 (精製)	Ab27974 was purified by affinity chromatography, from tissue culture supernatant.
ポリクローナル	モノクローナル
クローン名	4C1
ミエローマ	NS1/1-Ag4-1

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab27974の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. Antigen retrieval is not required.

追加情報

Is unsuitable for ELISA.

ターゲット情報

機能

Receptor for thyrotropin. Plays a central role in controlling thyroid cell metabolism. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Also acts as a receptor for thyrostimulin (GPA2+GPB5).

組織特異性

Expressed in the thyroid.

関連疾患

Defects in TSHR are found in patients affected by hyperthyroidism with different etiologies. Somatic, constitutively activating TSHR mutations and/or constitutively activating G(s)alpha mutations have been identified in toxic thyroid nodules (TTNs) that are the predominant cause of hyperthyroidism in iodine deficient areas. These mutations lead to TSH independent activation of the cAMP cascade resulting in thyroid growth and hormone production. TSHR mutations are found in autonomously functioning thyroid nodules (AFTN), toxic multinodular goiter (TMNG) and hyperfunctioning thyroid adenomas (HTA). TMNG encompasses a spectrum of different clinical entities, ranging from a single hyperfunctioning nodule within an enlarged thyroid, to multiple hyperfunctioning areas scattered throughout the gland. HTA are discrete encapsulated neoplasms characterized by TSH-independent autonomous growth, hypersecretion of thyroid hormones, and TSH suppression. Defects in TSHR are also a cause of thyroid neoplasms (papillary and follicular cancers).

Autoantibodies against TSHR are directly responsible for the pathogenesis and hyperthyroidism of Graves disease. Antibody interaction with TSHR results in an uncontrolled receptor stimulation.

Hypothyroidism, congenital, non-goitrous, 1

Familial gestational hyperthyroidism

Hyperthyroidism, non-autoimmune

配列類似性

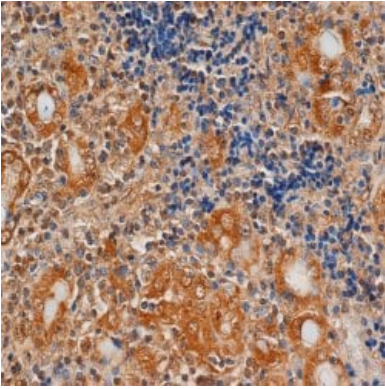
Belongs to the G-protein coupled receptor 1 family. FSH/LSH/TSH subfamily.

Contains 7 LRR (leucine-rich) repeats.

細胞内局在

Cell membrane.

画像



ab27974 staining TSH Receptor/TSH-R in Human thyroid tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TSH Receptor/TSH-R antibody [4C1] (ab27974)

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