

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

6 References [1 图像](#)

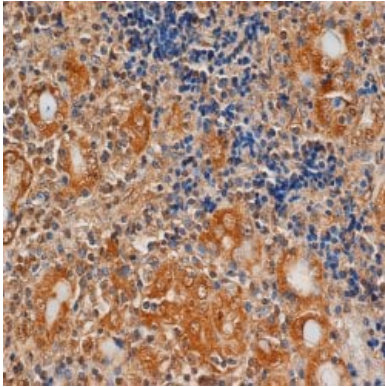
概述

| | |
|-------|---|
| 产品名称 | Anti-TSH Receptor/TSH-R抗体[4C1] |
| 描述 | 小鼠单克隆抗体[4C1] to TSH Receptor/TSH-R |
| 宿主 | Mouse |
| 经测试应用 | 适用于: IHC-P 不适用于: ELISA |
| 种属反应性 | 与反应: Human |
| 免疫原 | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| 表位 | Ab27974 reacts with an epitope located in the extracellular region of TSH receptor. |
| 阳性对照 | Human Thyroid gland. |
| 常规说明 | <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> |

性能

| | |
|------|--|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. |
| 存储溶液 | pH: 7.40 Preservative: 0.09% Sodium azide Constituent: PBS |
| 纯度 | Protein G purified |
| 纯化说明 | Ab27974 was purified by affinity chromatography, from tissue culture supernatant. |
| 克隆 | 单克隆 |
| 克隆编号 | 4C1 |
| 骨髓瘤 | NS1/1-Ag4-1 |

| | | |
|---|--|---|
| 同种型 | lgG2a | |
| 应用 | | |
| <div>The Abpromise guarantee</div> <div>Abpromise™承诺保证使用ab27974于以下的经测试应用</div> <div>“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。</div> | | |
| 应用 | Ab评论 | 说明 |
| IHC-P | | Use at an assay dependent concentration. Antigen retrieval is not required. |
| 应用说明 | Is unsuitable for ELISA. | |
| 靶标 | | |
| 功能 | 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). | |
| 组织特异性 | Expressed in the thyroid. | |
| 疾病相关 | <div>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).</div> <div>Autoantibodies against TSHR are directly responsible for the pathogenesis and hyperthyroidism of Graves disease. Antibody interaction with TSHR results in an uncontrolled receptor stimulation.</div> <div>Hypothyroidism, congenital, non-goitrous, 1</div> <div>Familial gestational hyperthyroidism</div> <div>Hyperthyroidism, non-autoimmune</div> | |
| 序列相似性 | <div>Belongs to the G-protein coupled receptor 1 family. FSH/LSH/TSH subfamily.</div> <div>Contains 7 LRR (leucine-rich) repeats.</div> | |
| 细胞定位 | Cell membrane. | |
| 图片 | | |



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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