

Product datasheet

Anti-TSH Receptor antibody [4C1] ab27974

3 References [画像数 1](#)

製品の概要

製品名	Anti-TSH Receptor antibody [4C1]
製品の詳細	Mouse monoclonal [4C1] to TSH Receptor
特異性	Ab27974 recognises TSH receptor.
アプリケーション	適用あり: IP, Flow Cyt, IHC-Fr, WB, IHC-P 適用なし: ELISA
種交差性	交差種: Human
免疫原	Synthetic peptide: External domain of human TSH receptor (tagged)
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.

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	Preservative: 0.09% Sodium Azide. Constituents: PBS, pH 7.4.
精製度	Protein G purified
特記事項 (精製)	Ab27974 was purified by affinity chromatography, from tissue culture supernatant.
ポリ/モノ	モノクローナル
クローン名	4C1
ミエローマ	NS1/1-Ag4-1
アイソタイプ	IgG2a

アプリケーション

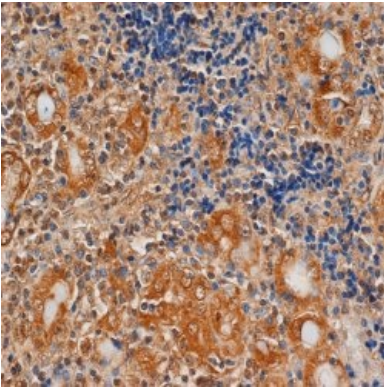
Our [Abpromise guarantee](#) covers the use of **ab27974** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
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IP	Use at an assay dependent concentration.
Flow Cyt	1/100 - 1/1000. Use 10µl of the suggested working dilution for 10 ⁶ cells.
	ab170191 -Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
IHC-Fr	Use at an assay dependent concentration.
WB	1/1000. Predicted molecular weight: 87 kDa.
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.

Anti-TSH Receptor antibody [4C1] 画像



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

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

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