

Datasheet for ABIN7127026

Recombinant anti-TSHB antibody



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Overview

Quantity:	100 µg
Target:	TSHB
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This TSHB antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant human TSH beta fragment
Isotype:	IgG1
Specificity:	The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated non-covalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. TSH is synthesized and secreted by thyrotrope cells in the anterior pituitary gland which regulates the endocrine function of the thyroid gland. TSH stimulates the thyroid gland to secrete the hormones thyroxine (T4) and triiodothyronine (T3). TSH production is controlled by a Thyrotropin-Releasing Hormone (TRH), which is manufactured in the hypothalamus and transported to the pituitary gland, where it increases TSH production and release. Somatostatin is also produced by the hypothalamus and has an opposite effect on the pituitary production of

Product Details

TSH, decreasing or inhibiting its release. TSH is a useful marker in classification of pituitary tumors and the study of pituitary disease.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: TSHB

Alternative Name: TSHB ([TSHB Products](#))

Background: CHNG4, Thyroid stimulating hormone beta subunit, Thyroid stimulating hormone, beta precursor, Thyrotropin beta subunit, TSHB,Thyroid Stimulating Hormone, beta (TSH beta) (Pituitary Marker)

Cellular localisation: Cytoplasmic

Molecular Weight: 16kDa

Gene ID: 7252, 406687

UniProt: [P01222](#)

Pathways: [Thyroid Hormone Synthesis](#), [Peptide Hormone Metabolism](#)

Application Details

Application Notes: Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.
Positive_Control: Normal pituitary or pituitary tumor.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Handling

Expiry Date: 24 months