

Datasheet for ABIN1504138 **anti-TSHB antibody**



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Overview

Quantity:	0.5 mg
Target:	TSHB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TSHB antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

Product Details

Clone:	TSH-2
Isotype:	IgG1
Purification:	Affinity Chromatography on Protein G

Target Details

Target:	TSHB
Alternative Name:	Thyrotropin beta Chain (TSHB Products)
Background:	Thyroid stimulating hormone (TSH), also known as thyrotropin, is secreted from cells in the anterior pituitary called thyrotrophs, finds its receptors on epithelial cells in the thyroid gland, and stimulates that gland to synthesize and release thyroid hormones. TSH is a glycoprotein hormone composed of two subunits which are non covalently bound to one another. The alpha subunit of TSH is also present in two other pituitary glycoprotein hormones, follicle stimulating

Target Details

hormone and luteinizing hormone, and, in primates, in the placental hormone chorionic gonadotropin. Each of these hormones also has a unique beta subunit, which provides receptor specificity. In other words, TSH is composed of alpha subunit bound to the TSH beta subunit, and TSH associates only with its own receptor. Free alpha and beta subunits have essentially no biological activity. TSH has a alpha subunit that is identical to the one in other glycoprotein hormones such as LH, FSH and HCG.Synonyms: TSH, TSH beta, TSHB, Thyroid-stimulating hormone subunit beta, Thyrotropin subunit beta

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Reconstitution: Restore with Double distilled water to adjust the final concentration to 1.0 mg/mL.

Concentration: 1.0 mg/mL

Buffer: 0.01 M PBS, pH 7.2 without preservatives

Preservative: Without preservative