Datasheet for ABIN356336

anti-TSHB antibody

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Overview

Quantity:	1 mL
Target:	TSHB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TSHB antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Human TSH, beta subunit. Remarks: Molecular weight of antigen: 14 kDa (Beta) and 28 kDa (Alpha + Beta).
Clone:	TSH220
Isotype:	IgG1
Specificity:	This antibody labels thyrotrophic cells of the pituitary and may be useful for research in the classification of pituitary adenocarcinomas and differential identification of primary and metastatic tumors of the pituitary. Cellular Localization: Cytoplasmic staining of anterior pituitary cells.
Characteristics:	Synonyms: Thyrotropin subunit beta, Thyroid-stimulating hormone subunit beta, TSH, TSHB, TSH beta
Purification:	Purified

Target Details

Target:	TSHB
Alternative Name:	Thyrotropin beta Chain (TSHB Products)
Background:	Thyroid-stimulating hormone (also known as TSH or thyrotropin) is a hormone synthesized and secreted by thyrotrope cells in the anterior pituitary gland which regulates the endocrine function of the thyroid gland. TSH is a glycoprotein and consists of two subunits, the alpha and the beta subunit. The alpha subunit is identical to that of human chorionic gonadotropin (HCG), luteinizing hormone (LH), follicle-stimulating hormone (FSH). The beta subunit is unique to TSH, and therefore determines its function.Synonyms: TSH, TSH beta, TSHB, Thyroid-stimulating hormone subunit beta, Thyrotropin subunit beta
Gene ID:	7252
UniProt:	P01222
Pathways:	Thyroid Hormone Synthesis, Peptide Hormone Metabolism

Application Details

Application Notes:	Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-FixedParaffin-Embedded (FFPE) tissue sections and cell smears)For IHC dilute concentared antibody at 1/50-1/100, use streptavidinapprox. biotin system orpolymer system, incubate 30 minutes at room temperature. For FFPE tissue sections, the intensity of staining can be enhanced by antigen retriever(boiling tissue in 10 mM citrate, pH 6.0 for 15-20 mins, followed by cooling at RT for 20 mins). Immunofluorescence. Recommended Positive Control: Human Anterior pituitary. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	0.2 mg/mL
Buffer:	PBS, pH 7.4 containing 1 % BSA as stabilizer and 0.05 % Sodium Azide as preservative.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: One year from despatch.
Expiry Date:	12 months