

Mouse Anti-TSH (Thyroid Stimulating Hormone) beta [TSHb/1317]: MC0077, MC0077RTU7

Intended Use: For Research Use Only

Description: TSH is a member of the glycoprotein hormone family, constituting a subset of the cystine-knot growth factor superfamily. TSH is produced by the pituitary thyrotrophs and released into circulation in a pulsatile manner. It stimulates thyroid functions using a specific membrane TSH receptor (TSHR) that belongs to the superfamily of G protein-coupled receptors (GPCRs). TSH beta is the beta subunit of thyroid stimulating hormone. This TSH antibody labels normal and neoplastic thyrotropic cells. It may be useful in classification of pituitary tumors.

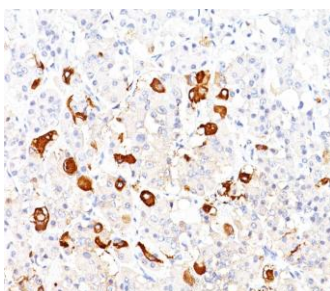
Specifications

Clone:	TSHb/1317
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Recombinant human TSH beta fragment
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC
Package:	

Description	Catalog No.	Size
TSH (Thyroid Stimulating Hormone) beta Concentrated	MC0077	1 ml
TSH (Thyroid Stimulating Hormone) beta Prediluted	MC0077RTU7	7 ml

IHC Procedure

Positive Control Tissue:	Pituitary & pituitary adenoma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual
* Result should be confirmed by an established diagnostic procedure.	



FFPE human Pituitary stained with anti-TSH beta using DAB

References:

1. Isolated double adrenocorticotrophic hormone-secreting pituitary adenomas: A case report and review of the literature. Pu J, et al. *Oncol Lett* 12:585-590, 2016.
2. Proteomic analysis of the maternal protein restriction rat model for schizophrenia: identification of translational changes in hormonal signaling pathways and glutamate neurotransmission. Guest PC, et al. *Proteomics* 12:3580-9, 2012.
3. Localization of thyrotropin receptor and thyroglobulin in the bovine corpus luteum. Mutinati M, et al. *Anim Reprod Sci* 118:1-6, 2010.
4. Expression of IP-10/CXCL10 and MIG/CXCL9 in the thyroid and increased levels of IP-10/CXCL10 in the serum of patients with recent-onset Graves' disease. Romagnani P, et al. *Am J Pathol* 161:195-206, 2002.