Thyroid Stimulating Hormone Beta (TSHb) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Thyroid Stimulating Hormone Beta (TSHb), Polyclonal Antibody
Full Product Name	Biotin Linked Polyclonal Antibody to Thyroid Stimulating Hormone Beta (TSHb)
Product Gene Name	anti-TSHb antibody
Product Synonym Names	TSHb/Thyroid Stimulating Hormone Beta; TSHB; Thyrotropin beta chain; Thyrotropin alfa
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat, Pig
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Antigenspecific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=0.5mg/mL (Please refer to the vial label for the specific concentration.) (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against TSHb. It has been selected for its ability to recognize TSHb in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: TSHb (MBS2139683) Biotin Conjugated Antibody: TSHb (MBS2135976)
Molecular Weight	15,505 Da
3D Structure	ModBase 3D Structure for P04652
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Phe21~Tyr132
Conjugation	Biotin
Product Categories/Family for anti-TSHb antibody	Endocrinology; Primary, Biotin labeled
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-TSHb antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-TSHb antibody	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL
Related Product Information for anti-TSHb antibody	MBS2135976 is an antibody targeting TSHb. Also known as Biotin Linked Polyclonal Antibody to Thyroid Stimulating Hormone Beta (TSHb). Reactive in Rat, Pig. Host: Rabbit.

Other Notes	Small volumes of anti-TSHb antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TSHb. It may not necessarily be applicable to this product.

NCBI GI #	399124785
NCBI GeneID	25653
NCBI Accession #	NP_037248.2
UniProt Primary Accession #	P04652
UniProt Secondary Accession #	Q6GTA8
UniProt Related Accession #	P04652
GenBank Nucleotide #	NM_013116.2
NCBI Official Full Name	thyrotropin subunit beta
NCBI Official Synonym Full Names	thyroid stimulating hormone, beta
NCBI Official Symbol	Tshb
UniProt Protein Name	Thyrotropin subunit beta
UniProt Synonym Protein Names	Thyroid-stimulating hormone subunit beta; TSH-B; TSH-beta; Thyrotropin beta chain
Protein Family	Thyrotropin
UniProt Gene Name	Tshb
UniProt Synonym Gene Names	TSH-B; TSH-beta
UniProt Entry Name	TSHB_RAT
NCBI Protein Information	thyrotropin subunit beta; TSH-B; TSH-beta; thyroid stimulating hormone, beta subunit; thyroid-stimulating hormone subunit beta; thyrotropin beta chain
NCBI Summary for TSHb	mutation of the human homolog is a rare cause of hereditary hypothyrodism [RGD, Feb 2006]
UniProt Comments for TSHb	Indispensable for the control of thyroid structure and metabolism.
Research Articles on TSHb	**1.** These data add new insight to an important role of T3 in rapidly regulating TSH beta gene expression at posttranscriptional level.
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