Beta (TSH) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TSH beta, Polyclonal Antibody
Full Product Name	TSH beta Antibody Affinity Purified
Product Gene Name	anti-TSH antibody
Product Synonym Names	CHNG4; Thyroid stimulating hormone beta subunit; Thyrotropin beta subunit; TSHB antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Affinity Purified
Concentration	0.63-0.69 ug/ul in antibody stabilization buffer (lot specific)
Preparation and Storage	-20• degree C for long term storage
Matching Pairs	Antibody: TSH beta (MBS540317) Positive Control: TSH beta (MBS543358)
Molecular Weight	10,624 Da
OMIM	188540
3D Structure	ModBase 3D Structure for P01222
Immunogen	Synthetic peptide corresponding to unique amino acid sequence on human TSH beta chain protein.
Determinant	C-epitope
Molecular Function	hormone activity
Subcellular Location	Secreted
Product Categories/Family for anti-TSH antibody	Primary Antibodies; Signal Transduction; Growth Factors & Hormones; TSH beta Antibody
Applications Tested/Suitable for anti-TSH antibody	Confocal Microscopy (CM), ELISA (EIA), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-TSH antibody	Confocal Microscopy||1:250 Dot Blot: 1:50,000 ELISA: 1:50,000 Immunocytochemistry: 1:250 Immunofluorescence: 1:250 Immunohistochemistry: 1:250 Western Blot: 1:500
Related Product Information for anti-TSH antibody	Affinity Purified Thyroid stimulating hormone, beta Antibody C-epitope Indespensable for the control of thyroid structure and metabolism.
Other Notes	Small volumes of anti-TSH 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.
Searchable Terms for TSH purchase	MBS540317 is an antibody targeting TSH. Also known as TSH beta Antibody Affinity Purified. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	47479818
NCBI GeneID	7252
NCBI Accession #	AAH69298.1
UniProt Primary Accession #	P01222
UniProt Secondary Accession #	Q16163; B1AKP0
UniProt Related Accession #	P01222
NCBI Official Full Name	Thyroid stimulating hormone, beta
NCBI Official Synonym Full Names	thyroid stimulating hormone beta
NCBI Official Symbol	TSHB
NCBI Official Synonym Symbols	TSH-B; TSH-BETA
UniProt Protein Name	Thyrotropin subunit beta
UniProt Synonym Protein Names	Thyroid-stimulating hormone subunit beta; TSH-B; TSH-beta; Thyrotropin beta chain; INN: Thyrotropin alfa
Protein Family	Protein teashirt
UniProt Gene Name	TSHB
UniProt Synonym Gene Names	TSH-B; TSH-beta
UniProt Entry Name	TSHB_HUMAN
NCBI Protein Information	thyrotropin subunit beta
NCBI Summary for TSH	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 noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. Thyroid stimulating hormone functions in the control of thyroid structure and metabolism. The protein encoded by this gene is the beta subunit of thyroid stimulating hormone. Mutations in this gene are associated with congenital central and secondary hypothyroidism and Hashimoto's thyroiditis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]
UniProt Comments for TSH	TSHB: Indispensable for the control of thyroid structure and metabolism. Belongs to the glycoprotein hormones subunit beta family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 1p13 Cellular Component: extracellular region Molecular Function: hormone activity Biological Process: anatomical structure morphogenesis; cell-cell signaling; G-protein coupled receptor protein signaling pathway; peptide hormone processing; response to calcium ion; response to estrogen stimulus; response to vitamin A Disease: Hypothyroidism, Congenital, Nongoitrous, 4
Research Articles on TSH	**1.** analysis of a single nucleotide substitution in TSHbeta related to clinical euthyroidism [family case report]

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