# Thyroid Stimulating Hormone Beta (TSHb) Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | Thyroid Stimulating Hormone Beta (TSHb), Polyclonal Antibody |
| **Full Product Name** | APC_Cy7 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** | >=0.1mg/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<br>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)<br>APC-CY7 Conjugated Antibody: TSHb (MBS2135972) |
| **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** | APC Cy7 |
| **Product Categories/Family for anti-TSHb antibody** | Endocrinology; Primary, APC/Cy12492 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<br>IHC: 520ug/mL<br>ICC: 520ug/mL |
| **Related Product Information for anti-TSHb antibody** | MBS2135972 is an antibody targeting TSHb. Also known as APC_Cy7 Linked Polyclonal Antibody to Thyroid Stimulating Hormone Beta (TSHb). Reactive in Rat, Pig. Host: Rabbit. |

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| **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.

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| **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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