

TSHB Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO2200a

Product Information

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| Application | WB, IHC, FC, E |
| Primary Accession | P01222 |
| Reactivity | Human |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone Names | 1D12G1 |
| Isotype | IgG2b |
| Calculated MW | 15639 |
| Description | 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. |
| Immunogen | Purified recombinant fragment of human TSHB (AA: 20-139) expressed in E. Coli. |
| Formulation | Purified antibody in PBS with 0.05% sodium azide |

Additional Information

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| Gene ID | 7252 |
| Other Names | Thyrotropin subunit beta, Thyroid-stimulating hormone subunit beta, TSH-B, TSH-beta, Thyrotropin beta chain, Thyrotropin alfa, TSHB |
| Dilution | WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 FC~~1/200 - 1/400 E~~1/10000 |
| Storage | Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Precautions | TSHB Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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|--------------------------|--|
| Name | TSHB |
| Function | Indispensable for the control of thyroid structure and metabolism. |
| Cellular Location | Secreted. |

References

1.Mol Biol Rep. 2012 Dec;39(12):10019-30.2.Thyroid. 2010 Jun;20(6):639-45.

Images

