10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

TSHB Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2200a

Specification

TSHB Antibody - Product Information

Application	**WB, IHC, FC, E**
Primary Accession	P01222
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b**
Calculated MW	**15.6kDa KDa**

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

TSHB Antibody - Additional Information

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.

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TSHB Antibody - Protein Information

Name TSHB

Function
Indispensable for the control of thyroid structure and metabolism.

Cellular Location
Secreted.

TSHB Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture