

Thyroid Stimulating Hormone (TSH) Rabbit pAb

Catalog No.: A25026

Basic Information

Observed MW

Refer to figures

Calculated MW

13KDa/15KDa

Category

Primary antibody

Applications

ELISA, IHC-P

Cross-Reactivity

Mouse

Background

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. The protein encoded by this gene is the alpha subunit and belongs to the glycoprotein hormones alpha chain family. Two transcript variants encoding different isoforms have been found for this gene. 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.

Recommended Dilutions

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

1081/7252

Swiss Prot

P01215/P01222

Immunogen

Recombinant Protein corresponding to a sequence within amino acids 25-116&21-138 of human Thyroid Stimulating Hormone (TSH)(NP_000726.1/NP_000540.2).

Synonyms

HCG; LHA; FSHA; GPA1; GPHa; TSHA; GPHA1; CG-ALPHA; TSH-B; TSH-BETA; Thyroid Stimulating Hormone (TSH)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

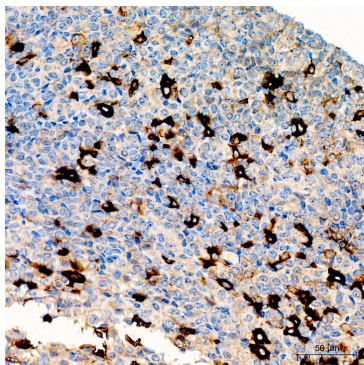
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Immunohistochemistry analysis of Thyroid Stimulating Hormone (TSH) in paraffin-embedded mouse pituitary tissue using Thyroid Stimulating Hormone (TSH) Rabbit pAb (A25026) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.