

## Product datasheet for **TA816492S**

### TSH beta (TSHB) Mouse Monoclonal Antibody [Clone ID: OTI2G4]

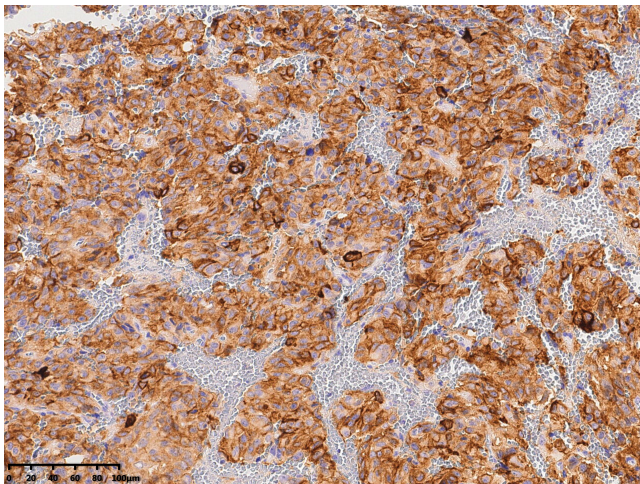
#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2G4
<b>Applications:</b>	IHC
<b>Recommended Dilution:</b>	IHC 1:150
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment of Human TSH beta (TSHB) (NM_000549) produced in Ecoli.
<b>Formulation:</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or cell culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	15.61 kDa
<b>Gene Name:</b>	thyroid stimulating hormone beta
<b>Database Link:</b>	<a href="#">Entrez Gene 7252 Human P01222</a>



**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. 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]

**Product images:**

Immunohistochemical staining of paraffin-embedded Pituitary adenoma using anti-TSHZ1 mouse monoclonal antibody.(Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH9.0) at 120°C for 3 min, [TA816492])