TSH-Receptor, B-Chain (Thyroid Marker) Antibody

Mouse Monoclonal Antibody [Clone TSHRB/1405]

Catalog No	Format	Size
7253-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7253-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7253-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

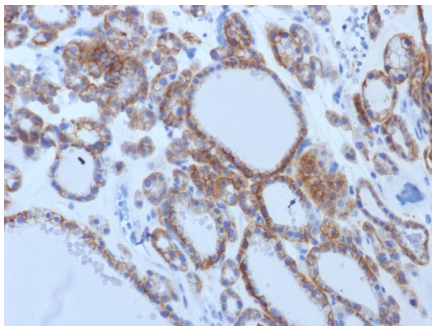
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

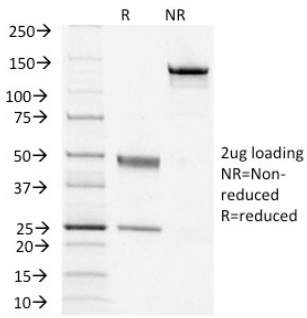
Clone	TSHRB/1405
Gene Name	TSHR
Immunogen	Recombinant human TSHR, B-Chain protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	42kDa
Cellular Localization	Basolateral cell membrane, Cell membrane
Species Reactivity	Human
Positive Control	293T cells. Thyroid gland.

**Optimal dilution for a specific application should be determined.*

Product Images for TSH-Receptor, B-Chain (Thyroid Marker) Antibody



Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with TSHRB Monoclonal Antibody (TSHRB/1405).



SDS-PAGE Analysis of Purified TSHRB Monoclonal Antibody (TSHRB/1405). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Thyroid-stimulating hormone (TSH, also known as thyrotropin) is a glycoprotein involved in the control of thyroid structure and metabolism, which stimulates the release of the thyroid hormones. TSH is regulated by thyroid hormone (T3) and various retinoid compounds. TSH binds to the thyroid-stimulating hormone receptor (TSHR), which is cleaved into two subunits, A and B, and plays a major role in regulating thyroid function. The third cytoplasmic loop of TSHR has been identified as critical for its role in regulating inositol phosphate and cAMP formation. In Grave's disease, an autoimmune disorder, TSHR is activated by autoantibodies, which may be stimulated by the cleavage of the A and B subunits.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cancer, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.