

# Product Datasheet

## TSHR Antibody (TSHRA/1401) - a Chain NBP2-49884-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-49884-0.1mg**

TSHR Antibody (TSHRA/1401) - a Chain

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	TSHRA/1401
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10mM PBS and 0.05% BSA
Target Molecular Weight	62 kDa

Product Description	
Host	Mouse
Gene ID	7253
Gene Symbol	TSHR
Species	Human
Marker	Thyroid Marker
Specificity/Sensitivity	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 Graves disease, an autoimmune disorder, TSHR is activated by autoantibodies, which may be stimulated by the cleavage of the A and B subunits.
Immunogen	Recombinant human TSHR, A-Chain protein

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/million cells, Immunohistochemistry-Paraffin 0.5-1ug/ml
Application Notes	Human Chromosome Location: 14q31 Immunohistology (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, or 10mM Citrate buffer, pH6.0, for 10-20 min followed by cooling at RT for 20 minutes)



## Images

Immunohistochemistry-Paraffin: TSHR Antibody (TSHRA/1401) -  $\alpha$  Chain [NBP2-49884] - Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with TSHRA Monoclonal Antibody (SPM223). Image using the Azide and BSA Free format of this antibody.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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