

TSH Antibody

Catalog No: #48381



Package Size: #48381-1 50ul #48381-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

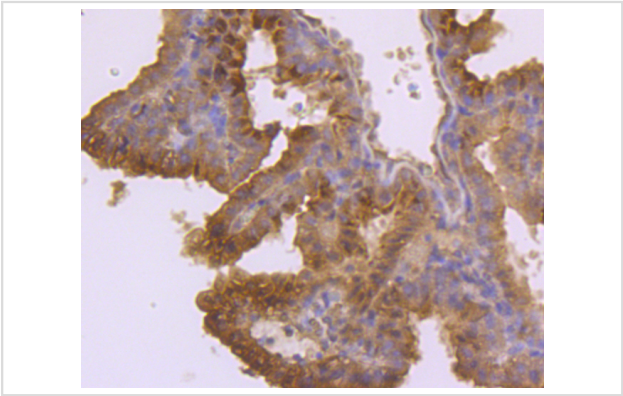
Description

Product Name	TSH Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	AH21-10
Applications	WB, IHC, ICC
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	CG ALPHA antibody CGA antibody Chorionic gonadotropin alpha polypeptide antibody FSHA antibody Glycoprotein hormones alpha polypeptide antibody GPHA1 antibody Thyroid stimulating hormone beta subunit antibody Thyrotropin beta subunit antibody TSH beta antibody TSHA antibody TSHB antibody
Accession No.	Swiss-Prot#:P01215
Uniprot	P01215
GeneID	1081;
Calculated MW	42 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.23% Sodium Azide.
Storage	Store at -20°C

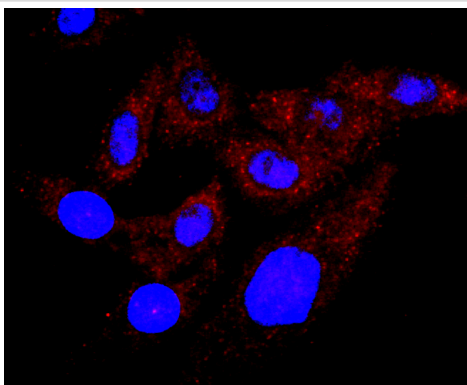
Application Details

WB: 1:1,000IHC: 1:50-1:200 ICC: 1:50-1:200

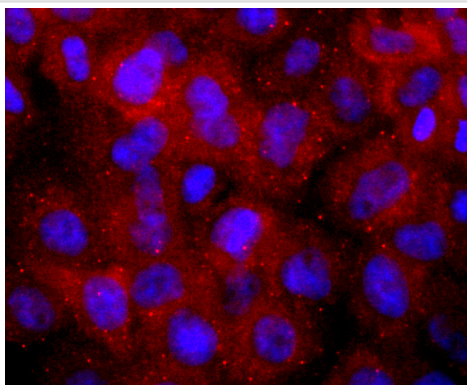
Images



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue using anti-TSH antibody. Counter stained with hematoxylin.



ICC staining TSH in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TSH in JAR cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

Various hormones are secreted from the anterior pituitary during development and growth, including thyroid-stimulating hormone (TSH, also known as thyrotropin), follicle-stimulating hormone (FSH) and leutinizing hormone (LH). TSH, FSH, and LH are heterodimers formed from a common  $\alpha$  chain and a unique  $\beta$  chain. TSH is a glycoprotein involved in the control of thyroid structure and metabolism, which stimulates the release of the thyroid hormones. TSH $\beta$  is regulated by thyroid hormone (T3) and various retinoid compounds. TSH $\beta$  binds to the thyroid-stimulating hormone receptor (TSHR), which plays a major role in regulating thyroid function. TSHR is thought to exist in multiple glycosylation states. The third cytoplasmic loop of TSHR has been identified as critical for its role in regulating inositol phosphate and cAMP formation.

## References

Note: This product is for in vitro research use only