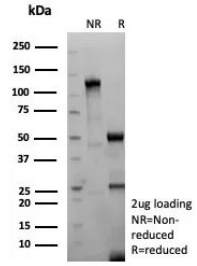
Recombinant TSHR beta Antibody / Thyroid Stimulating Hormone Receptor beta [clone TSHRB/9215R] (V5502)

Catalog No.	Formulation	Size
V5502-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5502-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5502SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	TSHRB/9215R
Purity	Protein A/G affinity
UniProt	P16473
Localization	Cytoplasm, Cell membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant TSHR beta antibody is available for research use only.



SDS-PAGE analysis of purified recombinant TSHR beta antibody (clone TSHRB/9215R) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the recombinant TSHR beta antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 200-400) of human TSHR B-Chain protein was used as the immunogen for the recombinant TSHR beta antibody.

Storage

Aliquot the recombinant TSHR beta antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.