

Datasheet for ABIN5647201
anti-TSHR, B Chain antibody (AA 515-538)



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1 Image

Overview

Quantity:	100 µg
Target:	TSHR, B Chain
Binding Specificity:	AA 515-538
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSHR, B Chain antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids 515-538 (ITLERWYAITFAMRLDRKIRLRHA) from the beta subunit of the human protein were used as the immunogen for the TSH Receptor antibody.
Isotype:	IgG
Cross-Reactivity (Details):	Expected species reactivity: Human
Purification:	Antigen affinity purified

Target Details

Target:	TSHR, B Chain
Alternative Name:	Thyroid Stimulating Hormone Receptor / TSHR (beta chain) (TSHR, B Chain Products)
Background:	TSHR (Thyroid-Stimulating Hormone Receptor), also called LGR3, is mapped to 14q31.1. The

Target Details

protein encoded by this gene is a membrane protein and a major controller of thyroid cell metabolism. The encoded protein is a receptor for thyrothropin and thyrostimulin, and its activity is mediated by adenylate cyclase. Defects in this gene are a cause of several types of hyperthyroidism. Three transcript variants encoding different isoforms have been found for this gene.

UniProt: [P16473](#)

Application Details

Application Notes: Optimal dilution of the TSH Receptor antibody should be determined by the researcher.\. WB: 0.5-1 µg/mL

Restrictions: For Research Use only

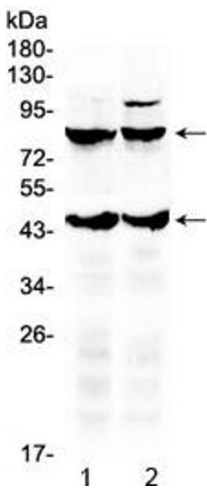
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the TSH Receptor antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of 1) rat brain and 2) mouse brain lysate with TSH Receptor antibody. Predicted molecular weight ~87 kDa (full length), ~44 kDa (beta subunit).