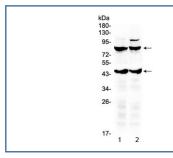


## **TSH Receptor Antibody (R32688)**

Catalog No.	Formulation	Size
R32688	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P16473
Applications	Western Blot : 0.5-1ug/ml
Limitations	This TSH Receptor antibody is available for research use only.



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).

## **Description**

TSHR (Thyroid-Stimulating Hormone Receptor), also called LGR3, is mapped to 14q31.1. The 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.

# **Application Notes**

Optimal dilution of the TSH Receptor antibody should be determined by the researcher.

## **Immunogen**

Amino acids 515-538 (ITLERWYAITFAMRLDRKIRLRHA) from the beta subunit of the human protein were used as the immunogen for the TSH Receptor antibody.

#### **Storage**

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