

TSHR antibody

Product Information

Catalog No.:	FNab09045
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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 thyrothrin and thyrostimulin, and its activity is mediated by adenylate cyclase. Defects in this gene are a cause of several types of hyperthyroidism. The gene of TSHR maps to chromosome 14q31.1, and encodes a 764-amino acid protein with a predicted unmodified molecular weight of 86.8 kDa. The apparent molecular weight of glycosylated form is 95-120 kDa. Studies reveal that TSHR is composed of two subunits, A and B, which are produced by cleavage of single-chain TSHR on the cell surface and subsequently connected by disulfide bonds. This rabbit polyclonal antibody can detect glycosylated subunit A with an experimentally determined molecular weight of 62-70 kDa under reducing condition. (PMID: 20578897, 17158770, 12593718)

Immunogen information

Immunogen:	thyroid stimulating hormone receptor
Synonyms:	Thyrotropin receptor Thyroid-stimulating hormone receptor (TSH-R) TSHR LGR3
Observed MW:	62-100 kDa
Uniprot ID :	P16473

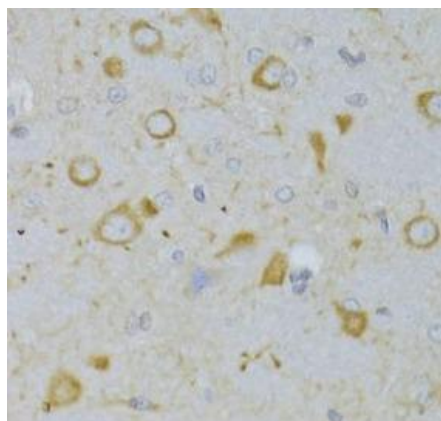
Application

Reactivity:	Human, Mouse, Rat
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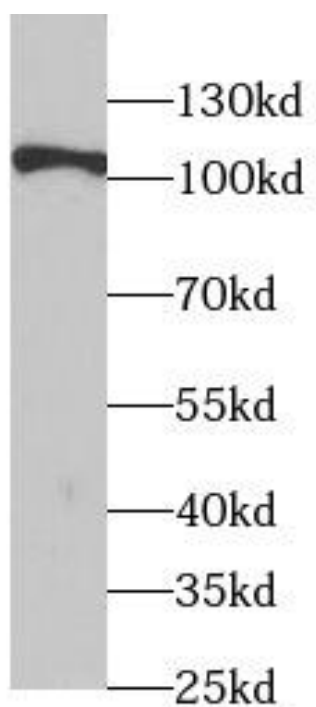
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200; IF: 1:20- 1:50

Image:



Immunohistochemistry of paraffin-embedded rat brain using FNa09045(TSHR antibody) at dilution of 1:100



HeLa cells were subjected to SDS PAGE followed by western blot with FNa09045(TSHR antibody) at dilution of 1:1000