

ARG59403 anti-TSHR / TSH Receptor antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TSHR / TSH Receptor
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TSHR / TSH Receptor
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 21-253 of Human TSHR (NP_001018046.1).
Conjugation	Un-conjugated
Alternate Names	LGR3; TSH-R; CHNG1; Thyrotropin receptor; Thyroid-stimulating hormone receptor; hTSHR-I

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse eye	
Observed Size	~ 110 kDa	

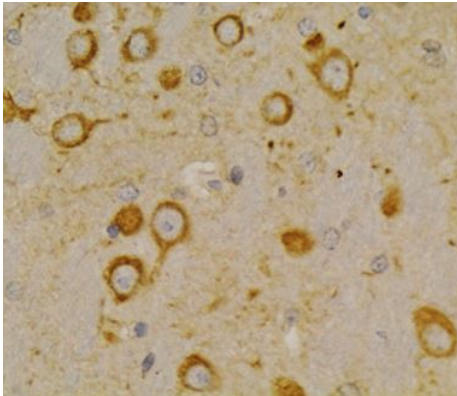
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

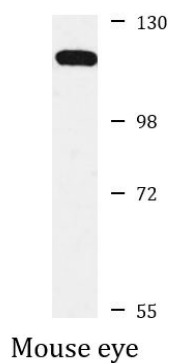
Gene Symbol	TSHR
Gene Full Name	thyroid stimulating hormone receptor
Background	The protein encoded by this gene is a membrane protein and a major controller of thyroid cell metabolism. The encoded protein is a receptor for thyrothropin and thyrostimulin, and its activity is mediated by adenylate cyclase. Defects in this gene are a cause of several types of hyperthyroidism. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]
Function	Receptor for thyrothropin. Plays a central role in controlling thyroid cell metabolism. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Also acts as a receptor for thyrostimulin (GPA2+GPB5). [UniProt]
Calculated Mw	87 kDa
PTM	Glycosylated. Sulfated. Sulfation on Tyr-385 plays a role in thyrotropin receptor binding and activation. [UniProt]

Images



ARG59403 anti-TSHR / TSH Receptor antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain stained with ARG59403 anti-TSHR / TSH Receptor antibody at 1:100 dilution.



ARG59403 anti-TSHR / TSH Receptor antibody WB image

Western blot: 25 µg of Mouse eye lysate stained with ARG59403 anti-TSHR / TSH Receptor antibody at 1:1000 dilution.