

# Product datasheet

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# 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

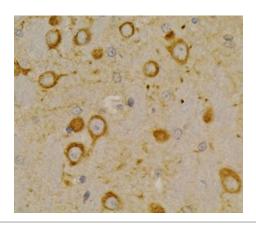
thyrostimulin (GPA2+GPB5). [UniProt]

Calculated Mw 87 kDa

PTM Glycosylated.

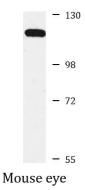
Sulfated. Sulfation on Tyr-385 plays a role in thyrotropin receptor binding and activation. [UniProt]

#### **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  $\mu g$  of Mouse eye lysate stained with ARG59403 anti-TSHR / TSH Receptor antibody at 1:1000 dilution.