

TSHR rabbit monoclonal antibody

Catalog # H00007253-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human TSHR peptide using ARM Technology.
Immunogen	A synthetic peptide of human TSHR is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human TSHR peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — TSHR

Entrez GeneID	7253
GeneBank Accession#	TSHR
Gene Name	TSHR
Gene Alias	CHNG1, LGR3, MGC75129, hTSHR-I
Gene Description	thyroid stimulating hormone receptor
Omim ID	603372 603373 609152
Gene Ontology	Hyperlink
Gene Summary	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 thyrotropin 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]
Other Designations	seven transmembrane helix receptor thyroid stimulating hormone receptor, isoform 2 thyrotropin receptor thyrotropin receptor-I, hTSHR-I

Pathway

- [Autoimmune thyroid disease](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Abortion](#)
- [Congenital Hypothyroidism](#)
- [Connective Tissue Diseases](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)

- [Goiter](#)
- [Graves Disease](#)
- [Graves Ophthalmopathy](#)
- [Hashimoto Disease](#)
- [Hypertension](#)
- [Hypothyroidism](#)
- [Infection](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Mitral Valve Prolapse](#)
- [Musculoskeletal Diseases](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Skin Diseases](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Thyroid Nodule](#)
- [Thyroiditis](#)
- [Thyrotoxicosis](#)
- [Tobacco Use Disorder](#)