

Rabbit anti-Mouse TSHR Polyclonal Antibody | anti-TSHR antibody

TSHR Antibody (Center)

CATALOG # AAA290046	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS ELISA, Western Blot
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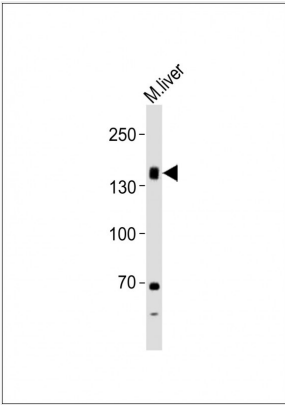
PRODUCT SYNONYMS

TSHR; Polyclonal Antibody; TSHR Antibody (Center); Thyrotropin receptor; Thyroid-stimulating hormone receptor; TSH-R; LGR3; anti-TSHR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TSHR antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 217-252 amino acids from the Central region of human TSHR.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	274
Applicable Applications for anti-TSHR antibody	ELISA, WB (Western Blot)
Function	Receptor for the thyroid-stimulating hormone (TSH) or thyrotropin (PubMed:11847099, PubMed:12045258). Also acts as a receptor for the heterodimeric glycoprotein hormone (GPHA2:GPHB5) or thyrostimulin (PubMed:12045258). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed:11847099). Plays a central role in controlling thyroid cell metabolism (By similarity).Function
Cellular location	Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein.
Tissue location	Expressed in thyroide cells (at protein level) (PubMed:11847099). Expressed in the thyroid (PubMed:2610690).
Preparation and Storage	Maintain refrigerated at 2-8 degree for up to 2 weeks. For long term storage store at -20 degree in small aliquots to prevent freeze-thaw cycles. aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Anti-TSHR Antibody (Center) at 1:1000 dilution + mouse liver lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 87 kDaBlocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-TSHR antibody	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).
References	Nagayama Y.,et al.Biochem. Biophys. Res. Commun. 165:1184-1190(1989). Libert F.,et al.Biochem. Biophys. Res. Commun. 165:1250-1255(1989). Misrahi M.,et al.Biochem. Biophys. Res. Commun. 166:394-403(1990). Frazier A.L.,et al.Mol. Endocrinol. 4:1264-1276(1990). Graves P.N.,et al.Biochem. Biophys. Res. Commun. 187:1135-1143(1992).

NCBI AND UNIPROT INFORMATION

NCBI GI #	64085121
NCBI GeneID	7253
NCBI Accession #	NP_000360.2
NCBI GenBank Nucleotide #	NM_000369.2
UniProt Accession #	P16473; Q16503; Q8TB90; Q96GT6; Q9P1V4; Q9ULA3; Q9UPH3; A0PJU7; F5GYU5; G3V2A9
Molecular Weight	Calculated MW 86844
NCBI Official Full Name	thyrotropin receptor isoform 1
NCBI Official Synonym Full Names	thyroid stimulating hormone receptor
NCBI Official Symbol	TSHR
NCBI Official Synonym Symbols	LGR3; CHNG1; hTSHR-I
NCBI Protein Information	thyrotropin receptor
UniProt Protein Name	Thyrotropin receptor
UniProt Gene Name	TSHR
UniProt Synonym Gene Names	LGR3; TSH-R
UniProt Entry Name	TSHR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/tshr-antibody-western-blot-elisa/290046>