Mouse monoclonal antibody to Human TSHR.

CABT-37467MH    Mouse(TSHR)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview
Mouse monoclonal antibody to Human TSHR.

Antigen Description
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.

specificity
This antibody recognizes an epitope located in the region of amino acid residues 211 to 414 of TSH Receptor.

Target
TSHR

Immunogen
Human TSH Receptor (extracellular domain).

Host
Mouse

Isotype
IgG2a

species
Human

Clone
5D2/F2/H9

Purification
Tissue culture supernatant

Applications
Flow Cyt, IHC-Fr, IHC-P

Cellular localization
Integral membrane protein.

PACKAGING

Format
Liquid

Buffer
Preservative: 15mM Sodium Azide Constituents: Tissue culture supernatant

Storage
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name
TSHR thyroid stimulating hormone receptor [ Homo sapiens ]

Official Symbol
TSHR

Synonyms
TSHR; thyroid stimulating hormone receptor; thyrotropin receptor; LGR3; hTSHR I; hTSHRI; LGR 3; LGR3; MGC75129; Thyroid adenoma hyperfunctioning; Thyroid carcinoma with thyrotoxicosis; Thyroid stimulating hormone receptor; Thyrotropin receptor; Thyrotropin receptor I; TSH R; TSHR; TSH-R; OTTHUMP00000246010; OTTHUMP00000246011; OTTHUMP00000246013; OTTHUMP00000246014; thyrotropin receptor-I, hTSHR-I; seven transmembrane helix receptor; thyroid-stimulating hormone receptor; thyroid stimulating hormone receptor, isoform 2; CHNG1; hTSHR-I;

GeneID
7253

mRNA Refseq
NM_000369

Protein Refseq
NP_000360
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<thead>
<tr>
<th>UniProt ID</th>
<th>P16473</th>
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<tr>
<td>Chromosome Location</td>
<td>14q24-q31</td>
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<tr>
<td>Pathway</td>
<td>Arf6 signaling events, organism-specific biosystem; Arf6 trafficking events, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;</td>
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<td>Function</td>
<td>protein binding; receptor activity; signal transducer activity; thyroid-stimulating hormone receptor activity;</td>
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REFERENCES