

## Monoclonal Antibody to Thyrotropin Receptor (TSH-R) - Purified

<b>Alternate names:</b>	LGR3, Thyroid-stimulating hormone receptor
<b>Catalog No.:</b>	AM00596PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Background:</b>	Thyroid stimulating hormone receptor (TSHR) is important for normal growth and function of thyroid gland. It is also involved in autoimmune disorder. TSHR is preserved in the basal cell surface of the follicular cells of the thyroid and is increased in Graves' disease.
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Recommended Isotype Controls:</b>	AM03096PU-N
<b>Clone:</b>	4C1/E1/G8
<b>Immunogen:</b>	Extracellular domain of the human thyroid stimulating hormone receptor <b>Remarks:</b> Epitope: aa 211-414
<b>Format:</b>	<b>State:</b> Liquid Ig fraction <b>Purification:</b> Protein G chromatography <b>Buffer System:</b> 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide
<b>Applications:</b>	Immunohistology (Formalin/paraffin): 1:50 for 30 min at RT; no special pretreatment is required for staining of formalin-fixed, paraffin-embedded tissues. Positive Control: Thyroid. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects Thyroid Stimulating Hormone Receptor. In normal thyroid tissues positive staining may be observed exclusively along the basal cell surface of the follicular cells with no staining of optical and lateral surfaces. No staining is observed in the foci of squamous cell metaplasia of papillary carcinomas, anaplastic carcinoma and medullary carcinoma. <b>Species:</b> Human. Other species not tested.
<b>Add. Information:</b>	Cellular Localization: Cytoplasmic
<b>Storage:</b>	Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Mizukami Y, et al. 91994) J Clinic Endocrinol Metabol, 79:616-619.

**Pictures:**

Formalin-fixed, paraffin-embedded human thyroid stained with TSHR (AM00596PU-N) using peroxidase-conjugate and AEC. Note cytoplasmic staining of follicular epithelial cells.

