

## Product Datasheet

# Recombinant Thyroglobulin Antibody / Rabbit Monoclonal (orb2640756)

<b>Catalog Number</b>	orb2640756
<b>Category</b>	Antibodies
<b>Description</b>	<p>Thyroglobulin (Tg) is a 660 kDa, dimeric protein produced by the follicular cells of the thyroid and used entirely within the thyroid gland. Thyroglobulin protein accounts for approximately half of the protein content of the thyroid gland. Human TG (HTG) is a homodimer of subunits each containing 2768 amino acids as synthesized (a short signal peptide may be removed from the N-terminus in the mature protein). The protein is a precursor of the thyroid hormones; these are produced when thyroglobulin's tyrosine residues are combined with iodine and the protein is subsequently cleaved. Each thyroglobulin molecule contains approximately 100-120 tyrosine residues, but only a small number (20) of these are subject to iodination by thyroperoxidase in the follicular colloid. Therefore, each Tg molecule forms only approximately 10 thyroid hormone molecules.</p> <p>[Wiki]</p>
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	Prediluted in 1X PBS, 0.1 mg/ml rAlbumin, 0.05% sodium azide; For IHC use only
<b>Purification</b>	Protein A affinity chromatography
<b>Immunogen</b>	Human thyroid follicular cells were used as the immunogen for the recombinant Thyroglobulin antibody.

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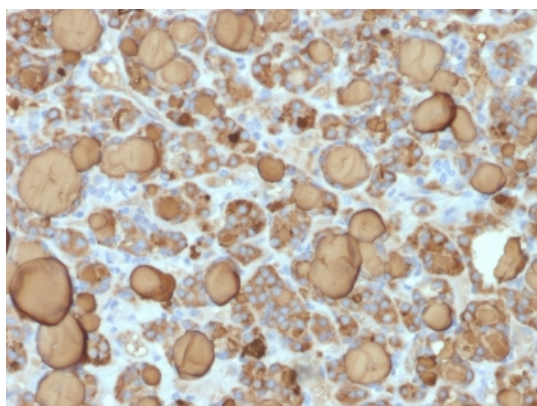
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<b>UniProt ID</b>	<b>P01266</b>
<b>Tested applications</b>	IHC-P
<b>Dilution range</b>	The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
<b>Application notes</b>	The stated application concentrations are suggested starting points. Titration of the recombinant Thyroglobulin antibody may be required due to differences in protocols and secondary/substrate sensitivity.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	TGB/1968R
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



IHC testing of FFPE human thyroid carcinoma with recombinant Thyroglobulin antibody (clone TGB/1968R). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

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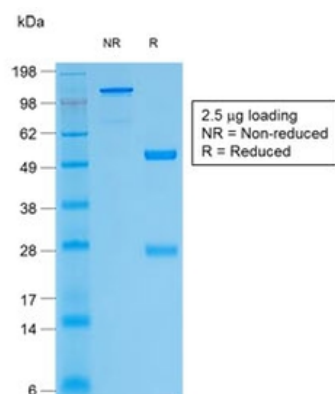
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SDS-PAGE analysis of purified, BSA-free recombinant Thyroglobulin antibody (clone TGB/1968R) as confirmation of integrity and purity.

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