

Product datasheet for **AM20509PU-N**

Thyroglobulin (TG) Mouse Monoclonal Antibody [Clone ID: n.a]

Product data:

Product Type:	Primary Antibodies
Clone Name:	n.a
Applications:	ELISA, IHC
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 10 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	TG antibody was raised against human Thyroglobulin.
Specificity:	This antibody reacts to Thyroglobulin (TG).
Formulation:	PBS, pH 7.4 containing 0.05% sodium azide, before the addition of glycerol to 40% State: Purified State: Liquid purified Ig fraction
Purification:	Protein G chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	thyroglobulin
Database Link:	Entrez Gene 7038 Human P01266



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Background:

Thyroglobulin (TG) is a glycoprotein homodimer produced predominantly by the thyroid gland. It acts as a substrate for the synthesis of thyroxine and triiodothyronine as well as the storage of the inactive forms of thyroid hormone and iodine. Thyroglobulin is secreted from the endoplasmic reticulum to its site of iodination, and subsequent thyroxine biosynthesis, in the follicular lumen. Mutations in this gene cause thyroid dysmorphogenesis, manifested as goiter, and are associated with moderate to severe congenital hypothyroidism. Polymorphisms in this gene are associated with susceptibility to autoimmune thyroid diseases (AITD) such as Graves disease and Hashimoto thyroiditis.

Synonyms:

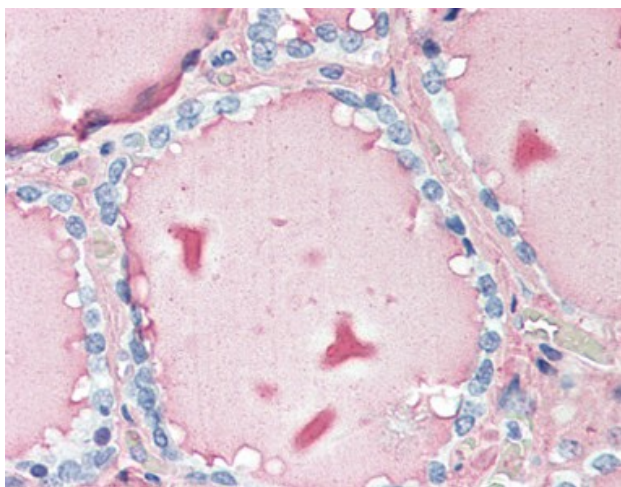
Thyreoglobulin, TGN

Protein Families:

Druggable Genome

Protein Pathways:

Autoimmune thyroid disease

Product images:

Human Thyroid (formalin-fixed, paraffin-embedded) stained with TG antibody AM20509PU-N at 10 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.