Product Name: Thyroglobulin Rabbit Polyclonal Antibody
Catalog #: APRab18912

Summary

Production Name	Thyroglobulin Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	TG
Alternative Names	Thyroglobulin (Tg)
Gene ID	7038.0
SwissProt ID	P01266.Synthetic peptide from human protein at AA range: 2511-2560

Application

Dilution Ratio	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Molecular Weight	

Background

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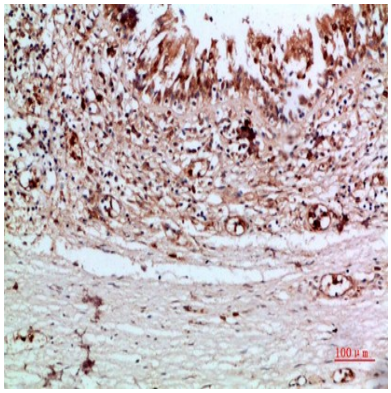
Thyroglobulin (Tg) is a glycoprotein homodimer produced predominantly by the thryroid gland. It acts as a substrate for the synthesis of thyroxine and triiodothyronine as well as the storage of the inactive forms of thyroid hormone and iodine. Thyroglobulin is secreted from the endoplasmic reticulum to its site of iodination, and subsequent thyroxine biosynthesis, in the follicular lumen. Mutations in this gene cause thyroid dyshormonogenesis, 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 thryoiditis. [provided by RefSeq, Nov 2009],disease:Defects in TG are a cause of some forms of goiter [MIM:188450]. Goiter is an enlargement of the thyroid gland. This is sometimes linked to hypothyroidism.,disease:Variations in TG are associated with susceptibility to autoimmune thyroid disease type 3 (AITD3) [MIM:608175]. AITDs including Graves disease (GD) and Hashimoto thyroiditis (HT), are among the most common human autoimmune diseases. They are complex diseases, which are caused by an interaction between susceptibility genes and nongenetic factors, such as infection.,function:Precursor of the iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3).,online information:Thyroglobulin entry,PTM:Sulfated.,similarity:Belongs to the type-B carboxylesterase/lipase family.,similarity:Contains 11 thyroglobulin type-1 domains.,subunit:Homodimer.,tissue specificity:Thyroid gland specific.,

Research Area

Autoimmune thyroid disease;

Image Data



Immunohistochemical analysis of paraffin-embedded human-thyroid, antibody was diluted at 1:200

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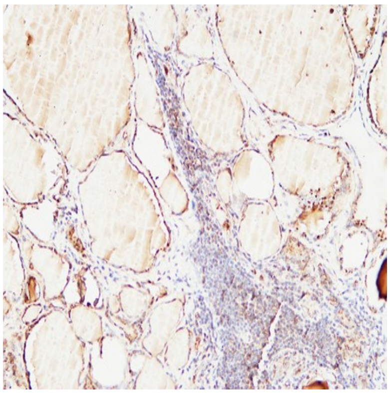
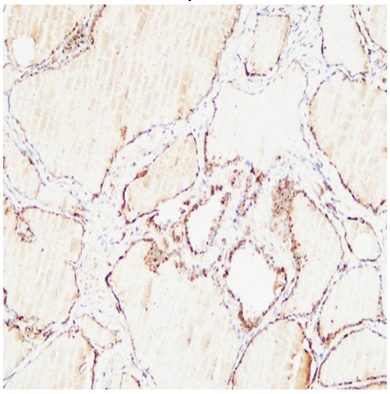


Immunohistochemical analysis of paraffin-embedded Human Thyroid. 1, Antibody was diluted at 1:200（4°,overnight）. 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200（room temperature, 30min）.



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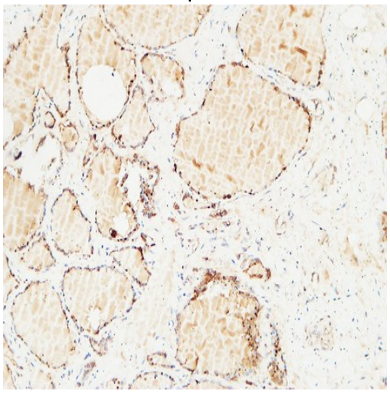

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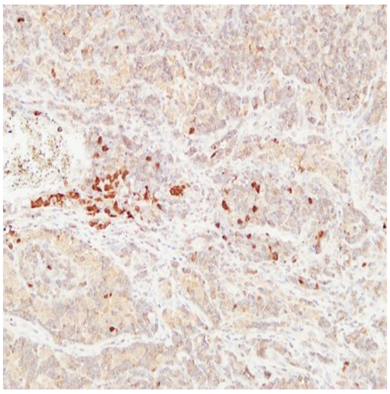
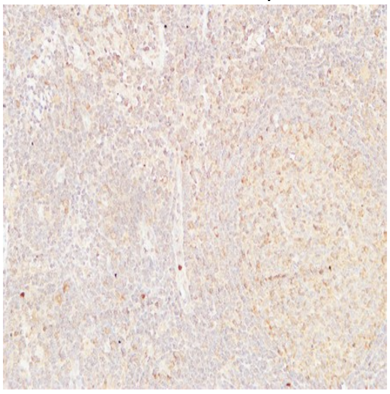


Immunohistochemical analysis of paraffin-embedded Human Lymphadenocarcinoma. 1, Antibody was diluted at 1:200（4°,overnight）. 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200（room temperature, 30min）.



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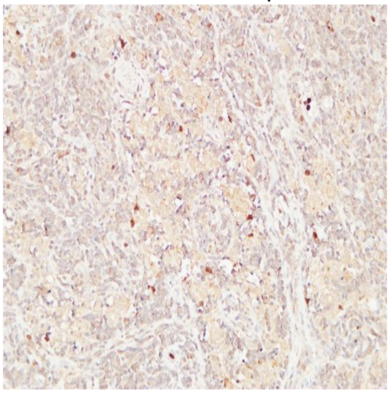

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Note

For research use only.