

**产品名称:** Thyroglobulin Rabbit Polyclonal Antibody  
**产品货号:** APRab18912



## 产品概述 (Summary)

|                        |                                          |
|------------------------|------------------------------------------|
| 产品名称 (Production Name) | Thyroglobulin Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody               |
| 宿主 (Host)              | Rabbit                                   |
| 应用 (Application)       | IHC, ICC/IF, ELISA                       |
| 种属反应性 (Reactivity)     | Human, Mouse, Rat                        |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

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

## 产品应用 (Application)

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | IHC 1:50-1:200, ICC/IF 1:50-1:200, ELISA 1:10000-1:20000 |
| 蛋白分子量 (Molecular Weight) |                                                          |

## 研究背景 (Background)

Thyroglobulin (Tg) is a glycoprotein homodimer produced predominantly by the thyroid gland. It acts as a substrate for

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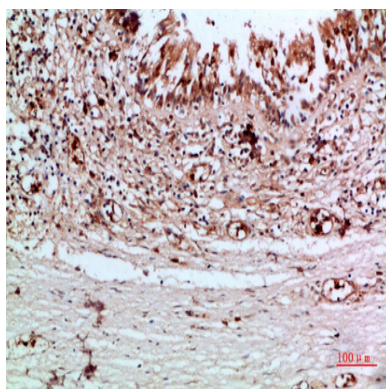


the synthesis of thyroxine and triiodothyronine as well as the storage of the inactive forms of thyroid hormone and iodine. Thyroglobulin is secreted from the endoplasmic reticulum to its site of iodination, and subsequent thyroxine biosynthesis, in the follicular lumen. Mutations in this gene cause 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 thyroiditis. [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.,

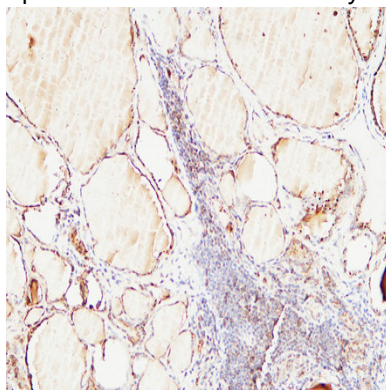
## 研究领域 (Research Area)

Autoimmune thyroid disease;

## 图片 (Image Data)



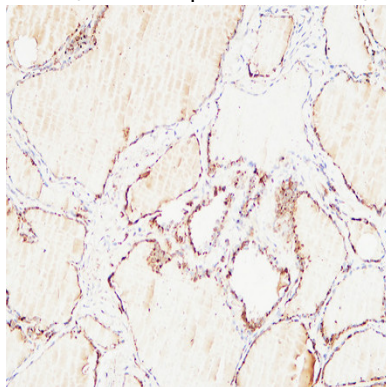
Immunohistochemical analysis of paraffin-embedded human-thyroid, antibody was diluted at 1:200



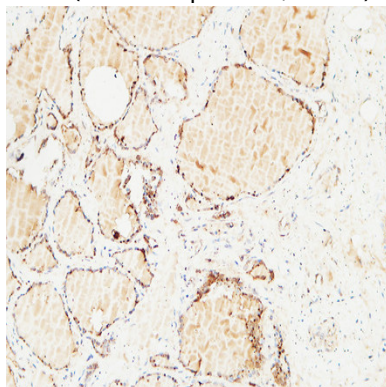
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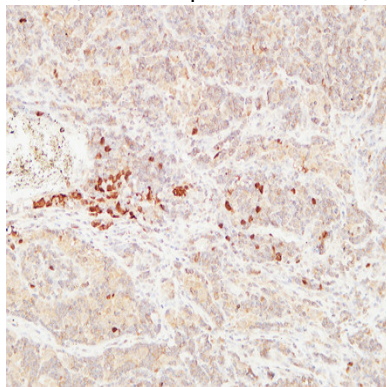
Immunohistochemical analysis of paraffin-embedded Human Thyroid. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



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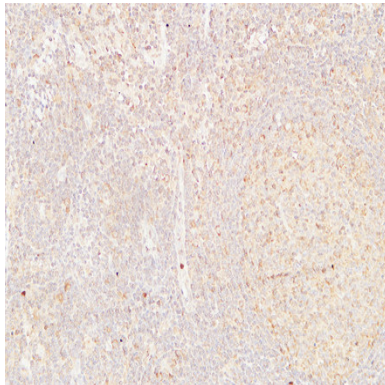


Immunohistochemical analysis of paraffin-embedded Human Lymphadenocarcinoma. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody

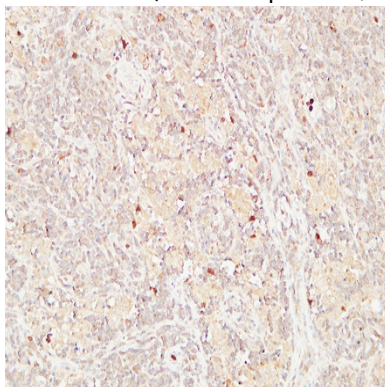
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### 注意事项 (Note)

For research use only .