

Rabbit Anti-TG antibody

SLM-60597R

Product Name TG

Chinese Name 甲状腺球蛋白 Recombinant rabbit monoclonal anti

Alias THYG_HUMAN; Thyroglobulin; AITD 3; AITD3; hTG; TDH3; Tgn;

Immunogen Species Rabbit

Clonality Monoclonal

Clone NO. A7B9

React Species Human,Mouse,Rat

Applications IHC-P=1:50-200,IHC-F=1:50-200,IF=1:50-200,WB=1:500-2000 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 660kDa

Cellular localization Extracellular matrix Secretory protein

Form Liquid

Concentration 1mg/ml

Lsotype IgG

Purification Affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product Detail

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. [provided by RefSeq, Nov 2009]

SWISS:
P01266

Gene ID:
7038

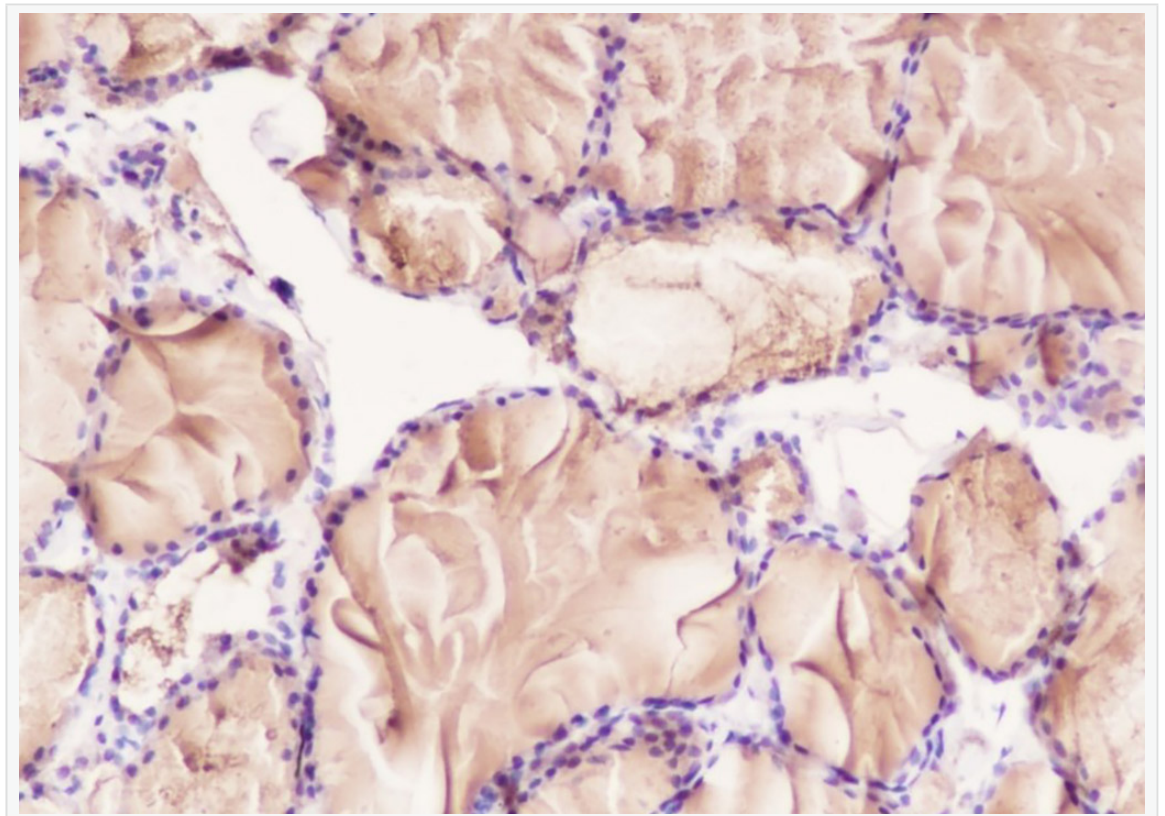
Database links:

[Entrez Gene: 7038](#) Human

[SwissProt: P01266](#) Human

用作生产碘化甲状腺激素甲状腺素（T4）和三碘甲状腺素（T3）的底物。 T3 和 T4 的合成涉及对 TG /甲状腺球蛋白的选定酪氨酸残基加碘，然后在甲状腺滤泡内腔中进行氧化偶联。 在 TG 重新内在化和溶酶体介导的蛋白水解之后， T3 和 T4 从多肽主链释放，导致它们分泌到血液中。 一个二聚体产生 7 个甲状腺激素分子。

**Product
Picture**



Tissue: Human thyroid

Section type: Formalin fixed & Paraffin -embedded section

Retrieval method: High temperature and high pressure

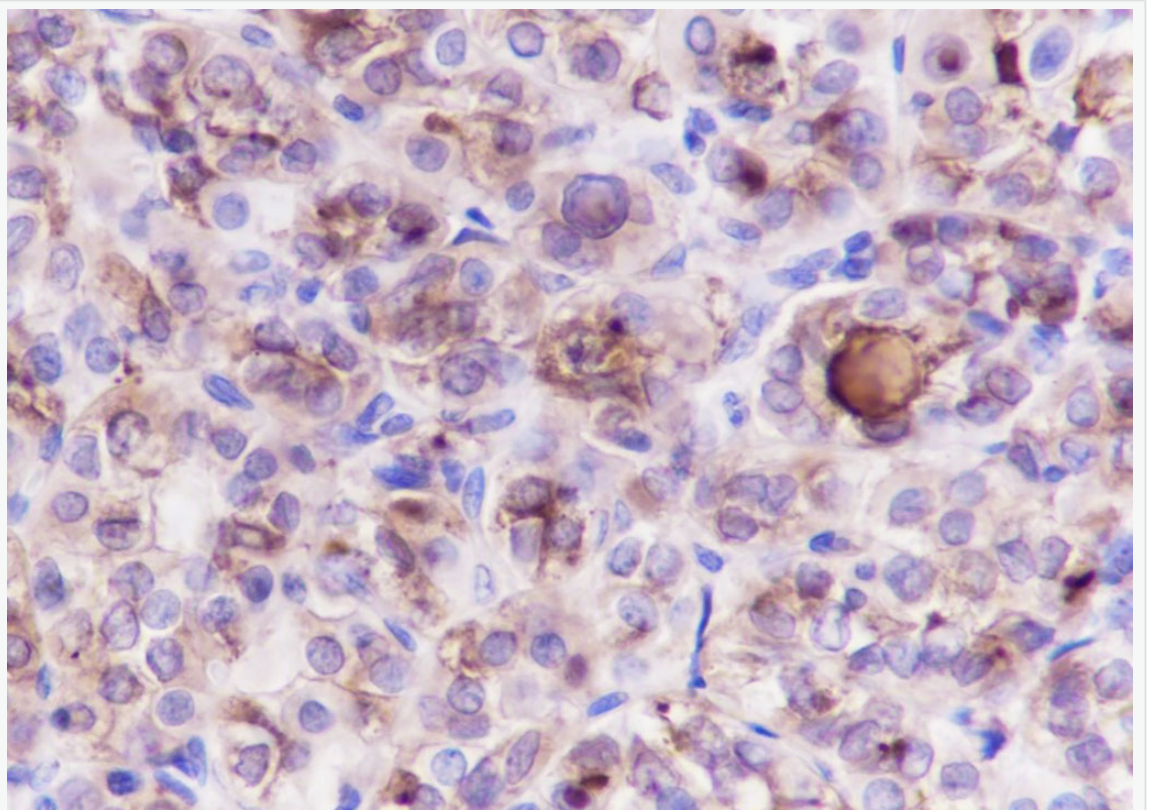
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:1000

Primary ab incubation condition: 1 hour at room temperature

Secondary ab: SP Kit(Rabbit) (sp-0023)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for SLM-60597R



Tissue: Human thyroid cancer

Section type: Formalin fixed & Paraffin -embedded section

Retrieval method: High temperature and high pressure

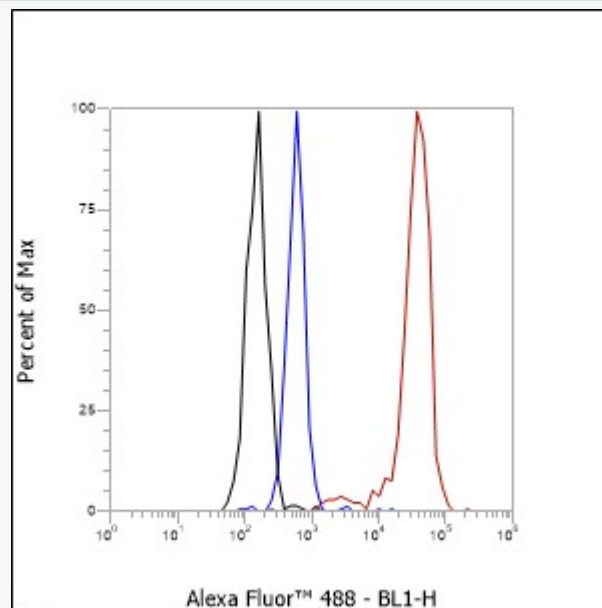
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100

Primary ab incubation condition: 1 hour at room temperature

Secondary ab: SP Kit(Rabbit) (sp-0023)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for SLM-60597R



Cell line: TT

Fixation: 4% Paraformaldehyde

Permeabilization: 90% Methanol

Primary Ab dilution: 1:100

Secondary Ab: Goat anti Rabbit IgG



Unlabelled control: The cell without incubation with primary antibody and secondary antibody (Black line).

Isotype control: Rabbit monoclonal IgG (Blue line).

Comment: Line red is the positive signal for SLM-60597R