

Thyroglobulin Rabbit mAb

Catalog No.: A3409 **Recombinant**

Basic Information

Observed MW

Calculated MW
305kDa

Category
Primary antibody

Applications
ELISA, IHC-P, IF/ICC

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC1972

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 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.

Recommended Dilutions

IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID 7038	Swiss Prot P01266
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Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 300-450 of human Thyroglobulin (P01266).

Synonyms

TGN; AITD3; Thyroglobulin

Contact

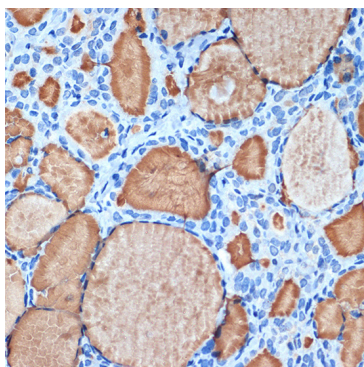
☎	400-999-6126
✉	cn.market@abclonal.com.cn
🌐	www.abclonal.com.cn

Product Information

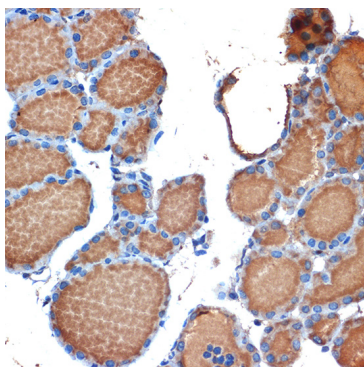
Source Rabbit	Isotype IgG	Purification Affinity purification
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Storage

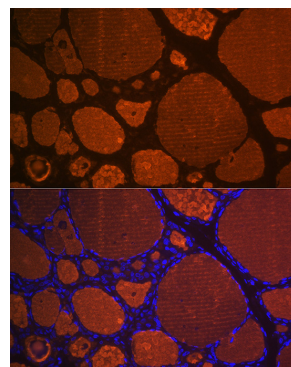
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



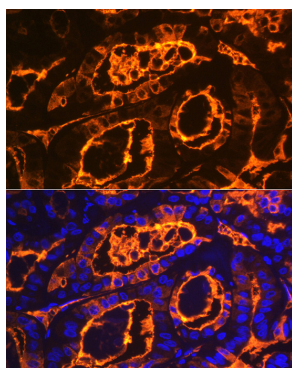
Immunohistochemistry analysis of paraffin-embedded rat thyroid using Thyroglobulin Rabbit mAb (A3409) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



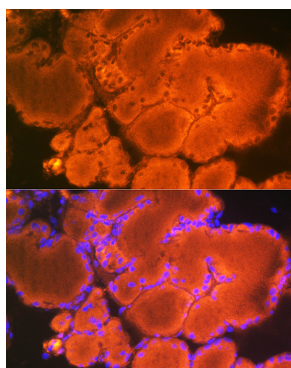
Immunohistochemistry analysis of paraffin-embedded mouse thyroid using Thyroglobulin Rabbit mAb (A3409) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of rat thyroid using Thyroglobulin Rabbit mAb (A3409) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of human thyroid using Thyroglobulin Rabbit mAb (A3409) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse thyroid using Thyroglobulin Rabbit mAb (A3409) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.