

For Research Use Only

Thyroglobulin Polyclonal antibody

Catalog Number: 21714-1-AP

7 Publications



Basic Information

Catalog Number:

21714-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16343

GenBank Accession Number:

BC140933

GeneID (NCBI):

7038

UNIPROT ID:

P01266

Full Name:

thyroglobulin

Calculated MW:

2768 aa, 305 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

human

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human thyroid cancer tissue,

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yasuhiro Horibata	34331935	J Lipid Res	IF
Madison T. Wright	33208410	Mol Cell Proteomics	WB
Madison T Wright	33581410	Mol Cell Proteomics	CoIP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

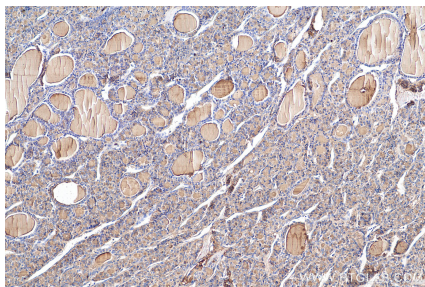
T: 4006900926

E: Proteintech-CN@ptglab.com

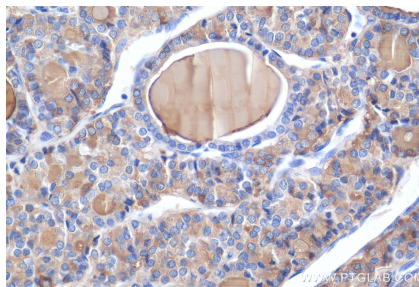
W: ptgcn.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 21714-1-AP (Thyroglobulin antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 21714-1-AP (Thyroglobulin antibody) at dilution of 1:200 (under 40x lens).