

IHCAb™ Thyroglobulin mouse mAb (PT0653)

Cat #: B-IMW4131

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

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 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.

Product Information

Applications/Dilution: IHC-p 1:100-500, IF 1:100-500

Isotype/Source: Mouse, Monoclonal

Specificity: This antibody detects endogenous levels of Thyroglobulin at Human

Subcellular Location: Secreted . Secreted into the thyroid follicle lumen (PubMed:19509106). Localizes to colloid globules, a structure formed in the thyroid follicle lumen consisting of cross-linked TG arranged in concentric layers (PubMed:8626858, PubMed:11082042)

Expression: Specifically expressed in the thyroid gland

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.25% sodium azide

Storage: Store at -15°C to -25°C

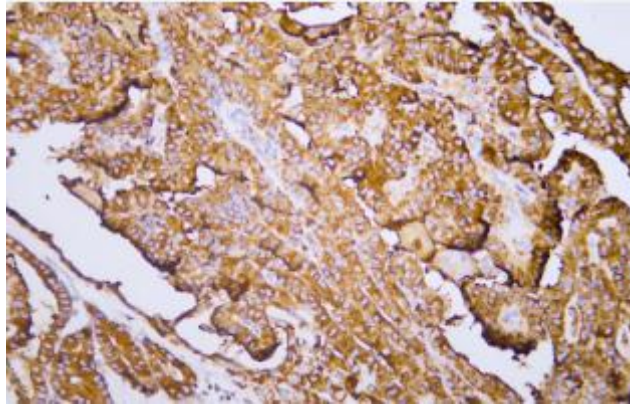


Fig. Human thyroid carcinoma tissue was stained with Anti-Thyroglobulin Antibody

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.