

Thyroglobulin rabbit pAb

Cat No.:ES8743

For research use only

Overview

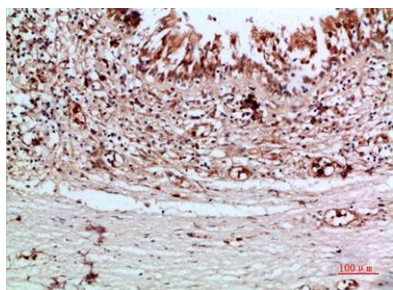
Product Name	Thyroglobulin rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	IHC-p 1:50-200, ELISA 1:10000-20000
Immunogen	Synthetic peptide from human protein at AA range: 2511-2560
Specificity	The antibody detects endogenous Thyroglobulin
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Thyroglobulin (Tg)
Gene Name	TG
Cellular localization	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). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	7038
Human Swiss-Prot Number	P01266
Alternative Names	Thyroglobulin (Tg)
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



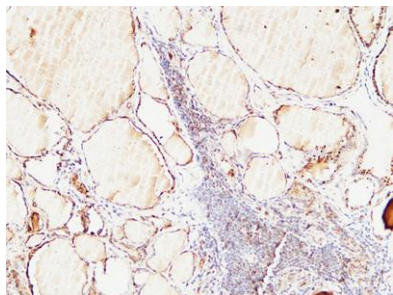


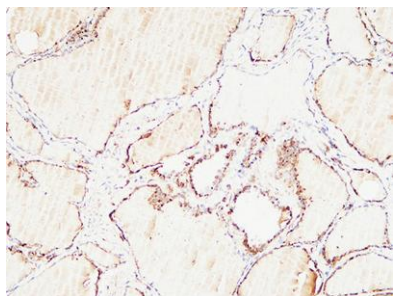
reticulum to its site of iodination, and subsequent thyroxine biosynthesis, in the follicular lumen. Mutations in this gene cause thyroid dysmorphogenesis, manifested as goiter, and are associated with moderate to severe congenital hypothyroidism. Polymorphisms in this gene are associated with susceptibility to autoimmune thyroid diseases (AITD) such as Graves disease and Hashimoto thyroiditis. [provided by RefSeq, Nov 2009],

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

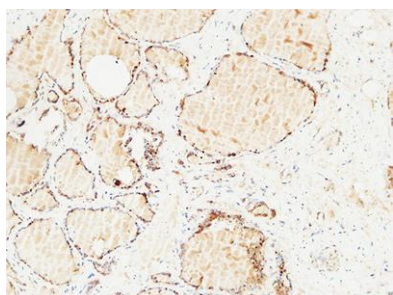


Immunohistochemical analysis of paraffin-embedded Human Thyroid. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).





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