

Thyroid Peroxidase(TPO) (ABT45R) rabbit mAb

Catalog No :	YM7277
Reactivity :	Human;
Applications :	IHC; ELISA
Target :	Thyroid Peroxidase
Fields :	>>Tyrosine metabolism;>>Metabolic pathways;>>Thyroid hormone synthesis;>>Autoimmune thyroid disease
Gene Name :	TPO
Protein Name :	Thyroid Peroxidase(TPO)
Human Gene Id :	3662
Human Swiss Prot No :	P07202
Immunogen :	Synthesized peptide derived from human Thyroid Peroxidase(TPO) 600-700
Specificity :	This antibody detects endogenous levels of Thyroid Peroxidase
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Function :	alternative products:Additional isoforms seem to exist,catalytic activity:2 iodide + H(2)O(2) + 2 H(+) = 2 iodine + 2 H(2)O.,cofactor:Binds 1 calcium ion per heterodimer.,cofactor:Binds 1 heme B (iron-protoporphyrin IX) group covalently per heterodimer.,disease:An alternative splicing in the thyroperoxidase mRNA can cause Graves' disease.,disease:Defects in TPO are the cause of congenital

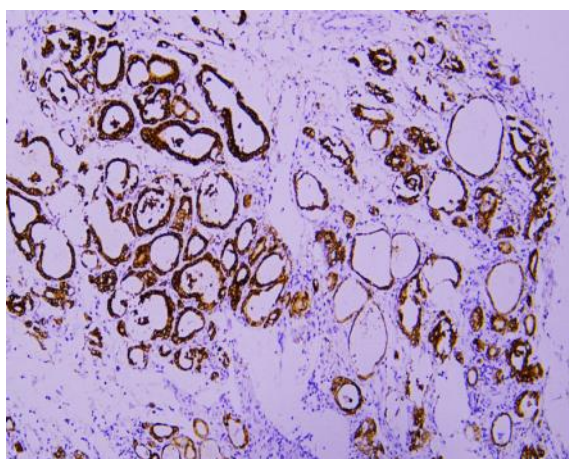
hypothyroidism due to dysmorphogenesis type 2A (CHDH2A) [MIM:274500]; also called genetic defect in thyroid hormone organification defect II. CHDH2A is due to defective conversion of accumulated iodide to organically bound iodine. The iodide organification defect can be partial or complete.,function:Iodination and coupling of the hormonogenic tyrosines in thyroglobulin to yield the thyroid hormones T(3) and T(4).,online information:Thyroid peroxidase entry,pathway:Hormone b

Subcellular**Location :****Expression :**

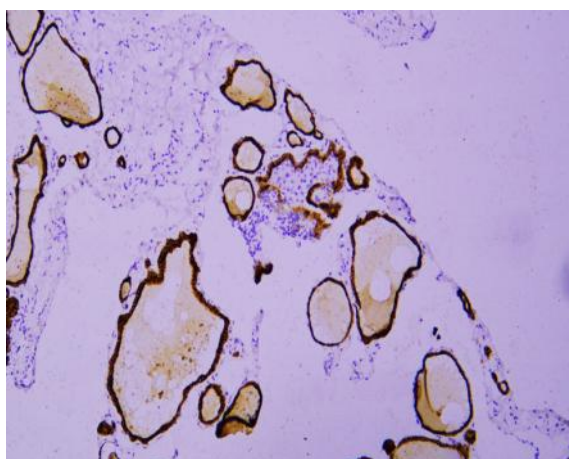
Membrane; Single-pass type I membrane protein.; [Isoform 3]: Cell surface.

Glandular pool- thyroid,Spleen,Thyroid,

Products Images



Immunohistochemical analysis of paraffin-embedded human Follicular thyroid carcinoma. 1, Antibody was incubated at 4° overnight. 2, Citrate buffer of pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded human Thyroid. 1, Antibody was incubated at 4° overnight. 2, Citrate buffer of pH6.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).