

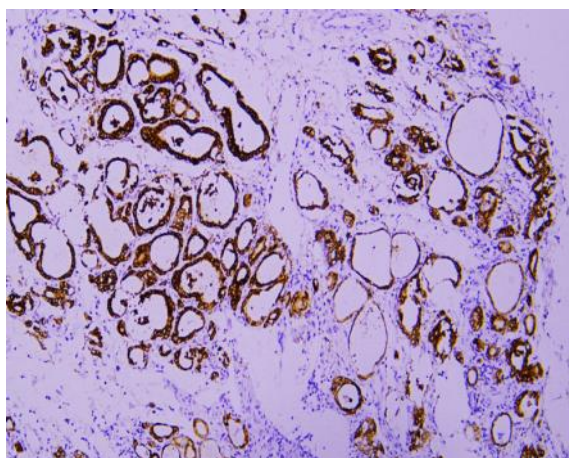
**Thyroid Peroxidase(TPO) (ABT45R) rabbit mAb**

<b>Catalog No :</b>	YM7277
<b>Reactivity :</b>	Human;
<b>Applications :</b>	IHC; ELISA
<b>Target :</b>	Thyroid Peroxidase
<b>Fields :</b>	>>Tyrosine metabolism;>>Metabolic pathways;>>Thyroid hormone synthesis;>>Autoimmune thyroid disease
<b>Gene Name :</b>	TPO
<b>Protein Name :</b>	Thyroid Peroxidase(TPO)
<b>Human Gene Id :</b>	3662
<b>Human Swiss Prot No :</b>	P07202
<b>Immunogen :</b>	Synthesized peptide derived from human Thyroid Peroxidase(TPO) 600-700
<b>Specificity :</b>	This antibody detects endogenous levels of Thyroid Peroxidase
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, Rabbit IgG1, Kappa
<b>Dilution :</b>	IHC 1:100-500, ELISA 1:5000-20000
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Function :</b>	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

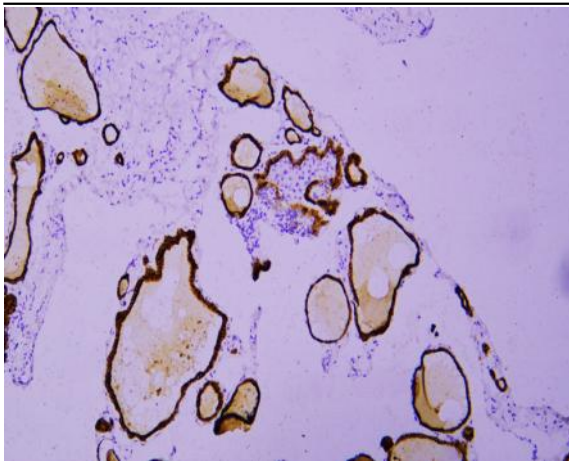
hypothyroidism due to dysmorphogenesis type 2A (CHDH2A) [MIM:274500]; also called genetic defect in thyroid morphogenesis 2A or thyroid hormone organification defect II. CHDH2A is due to defective conversion of accumulated iodide to organically bound iodine. The iodide organification defect can be partial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

<b>Subcellular Location :</b>	Membrane; Single-pass type I membrane protein.; [Isoform 3]: Cell surface.
<b>Expression :</b>	Glandular pool- thyroid,Spleen,Thyroid,
<b>Tag :</b>	recombinant
<b>Sort :</b>	17129
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

## 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).