



Thyroid Peroxidase(TPO) rabbit mAb(ABT45R)

Catalog No	YP-Ab-15501
Isotype	IgG
Reactivity	Human
Applications	IHC;IF
Gene Name	TPO
Protein Name	Thyroid Peroxidase(TPO)
Immunogen	Synthesized peptide derived from human Thyroid Peroxidase(TPO)
Specificity	This antibody detects endogenous levels of Thyroid Peroxidase(TPO) at Human
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from Cell supernatant by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:200. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Thyroid peroxidase (TPO;EC 1.11.1.8)
Observed Band	
Cell Pathway	Membrane; Single-pass type I membrane protein.; [Isoform 3]: Cell surface.
Tissue Specificity	Glandular pool- thyroid,Spleen,Thyroid,
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 dys hormonogenesis type 2A (CHDH2A) [MIM:274500]; also called genetic defect in thyroid hormonogenesis 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 hormonogenic tyrosines in thyroglobulin to yield the thyroid hormones T(3) and T(4).,online information:Thyroid peroxidase entry,pathway:Hormone b
Background	

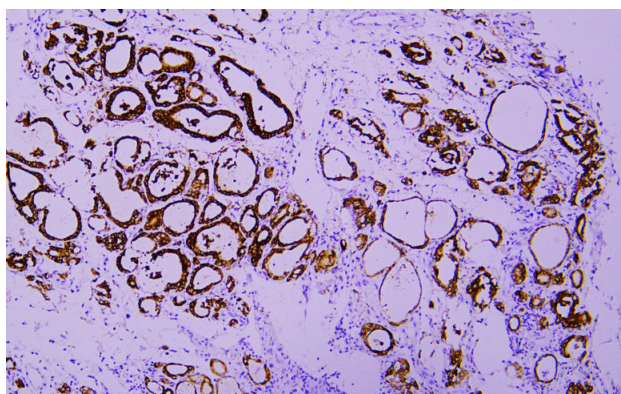
**matters needing attention**

Avoid repeated freezing and thawing!

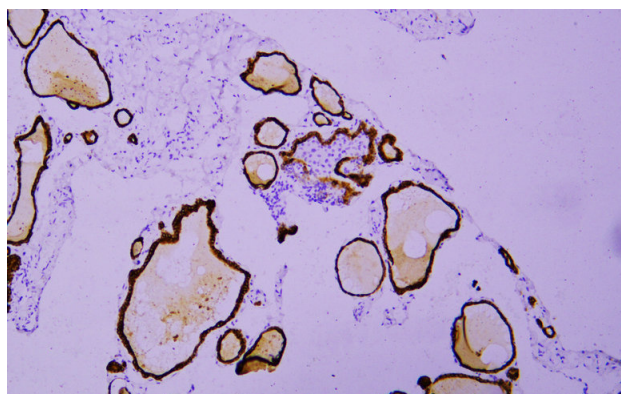
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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).