

Anti-Thyroid Peroxidase/TPO antibody [EPR5379] ab133322

重组 RabMAb

4 References **5 图像**

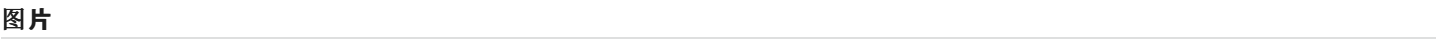
概述

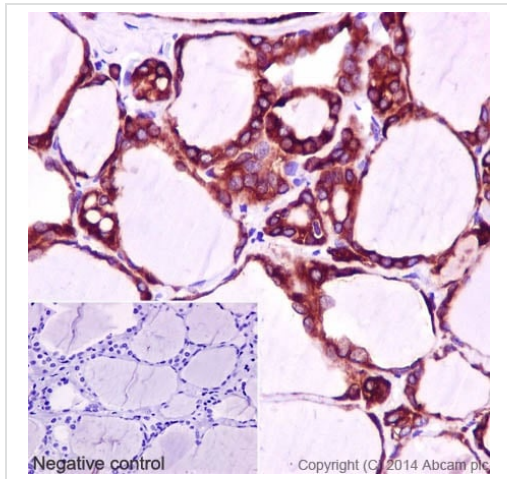
产品名称	Anti-Thyroid Peroxidase/TPO抗体[EPR5379]
描述	兔单克隆抗体[EPR5379] to Thyroid Peroxidase/TPO
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, IP 不适用于: ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human thyroid lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR5379

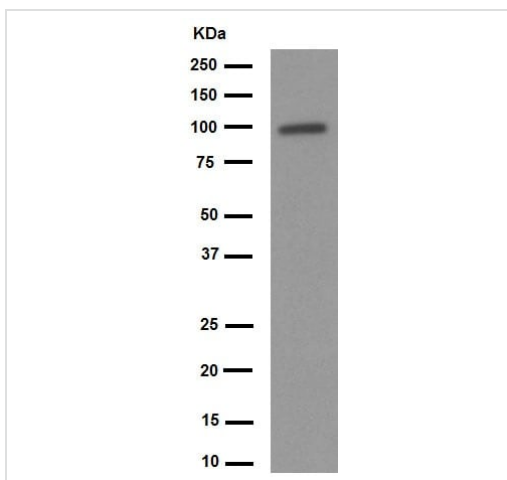
同种型	lgG	
应用		
The Abpromise guarantee Abpromise™ 承诺保证使用ab133322于以下的经测试应用		
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。		
应用	Ab评论	说明
IHC-P		1/1000 - 1/2000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> .
WB		1/10000 - 1/20000. Predicted molecular weight: 103 kDa.
IP		1/40.
应用说明	Is unsuitable for ICC/IF.	
靶标		
功能	Iodination and coupling of the hormonogenic tyrosines in thyroglobulin to yield the thyroid hormones T(3) and T(4).	
通路	Hormone biosynthesis; thyroid hormone biosynthesis.	
疾病相关	Note=An alternative splicing in the thyroperoxidase mRNA can cause Graves' disease. Defects in TPO are the cause of congenital hypothyroidism due to dyshormonogenesis 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.	
序列相似性	Belongs to the peroxidase family. XPO subfamily. Contains 1 EGF-like domain. Contains 1 Sushi (CCP/SCR) domain.	
翻译后修饰	Glycosylated. Heme is covalently bound through a H(2)O(2)-dependent autocatalytic process. Heme insertion is important for the delivery of protein at the cell surface. Cleaved in its N-terminal part.	
细胞定位	Membrane and Cell surface.	





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thyroid Peroxidase/TPO antibody [EPR5379] (ab133322)

Immunohistochemical staining of paraffin embedded human thyroid with purified ab133322 at a working dilution of 1 in 1000. The secondary antibody used is a HRP polymer for rabbit IgG. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.



Western blot - Anti-Thyroid Peroxidase/TPO antibody [EPR5379] (ab133322)

Anti-Thyroid Peroxidase/TPO antibody [EPR5379] (ab133322) at 1/20000 dilution (purified) + Human thyroid tissue lysate at 10 µg

Secondary

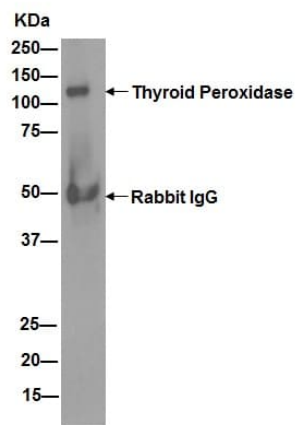
HRP anti-rabbit IgG, specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 103 kDa

Observed band size: 103 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST

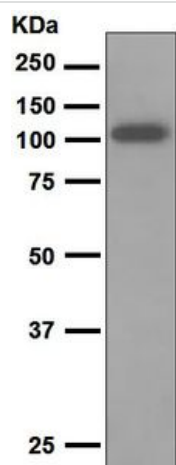


Immunoprecipitation - Anti-Thyroid Peroxidase/TPO antibody [EPR5379] (ab133322)

ab133322 (purified) at 1/40 immunoprecipitating thyroid peroxidase/TPO in human thyroid tissue lysate (Lane 1). For western blotting, a HRP-conjugated goat anti-rabbit IgG, was used as the secondary antibody (1/1000).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.



Western blot - Anti-Thyroid Peroxidase/TPO antibody [EPR5379] (ab133322)

Anti-Thyroid Peroxidase/TPO antibody [EPR5379] (ab133322) at 1/1000 dilution (unpurified) + Human thyroid lysate at 10 µg

Secondary

HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 103 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Thyroid Peroxidase/TPO antibody [EPR5379]
(ab133322)

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