

Anti-Thyroglobulin antibody [EPR9730] ab156008

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **17 References** 画像数 **12**

製品の概要

製品名	Anti-Thyroglobulin antibody [EPR9730]
製品の詳細	Rabbit monoclonal [EPR9730] to Thyroglobulin
由来種	Rabbit
特異性	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
アプリケーション	適用あり: Flow Cyt (Intra), WB, IHC-P, ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Thyroglobulin aa 1000-1100. The exact sequence is proprietary. Database link: P01266
ポジティブ・コントロール	Mouse thyroid, rat thyroid, and Human thyroid lysates, Human thyroid gland follicular carcinoma tissue and Human thyroid gland papillary carcinoma tissue, TT cells
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EPR9730
アイソタイプ	IgG

アプリケーション

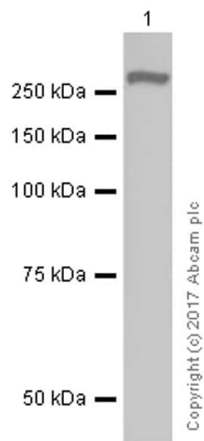
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab156008の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		1/10000 - 1/50000. Detects a band of approximately 294-300 kDa (predicted molecular weight: 305 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
ICC/IF		1/50 - 1/100.

ターゲット情報

機能	Precursor of the iodinated thyroid hormones thyroxine (T4) and triiodothyronine (T3).
組織特異性	Thyroid gland specific.
関連疾患	Defects in TG are the cause of congenital hypothyroidism due to dysmorphogenesis type 3 (CHDH3) [MIM:274700]. A disorder due to thyroid dysmorphogenesis, causing large goiters of elastic and soft consistency in the majority of patients. Although the degree of thyroid dysfunction varies considerably among patients with defective thyroglobulin synthesis, patients usually have a relatively high serum free triiodothyronine (T3) concentration with disproportionately low free tetraiodothyronine (T4) level. The maintenance of relatively high free T3 levels prevents profound tissue hypothyroidism except in brain and pituitary, which are dependent on T4 supply, resulting in neurologic and intellectual defects in some cases. Variations in TG are associated with susceptibility to autoimmune thyroid disease type 3 (AITD3) [MIM:608175]. AITDs including Graves disease (GD) and Hashimoto thyroiditis (HT), are among the most common human autoimmune diseases. They are complex diseases, which are caused by an interaction between susceptibility genes and nongenetic factors, such as infection.
配列類似性	Belongs to the type-B carboxylesterase/lipase family. Contains 11 thyroglobulin type-1 domains.
翻訳後修飾	Sulfated tyrosines are desulfated during iodination.
細胞内局在	Secreted.

画像



Western blot - Anti-Thyroglobulin antibody
[EPR9730] (ab156008)

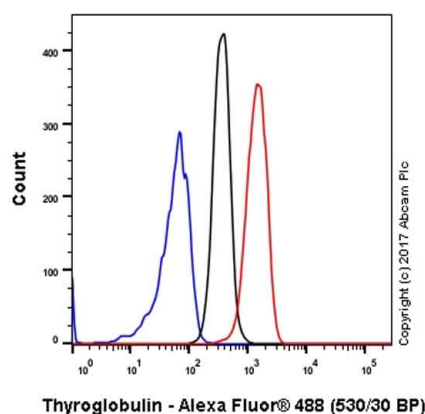
Anti-Thyroglobulin antibody [EPR9730] (ab156008) at 1/50000 dilution (purified) + Rat thyroid lysates at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

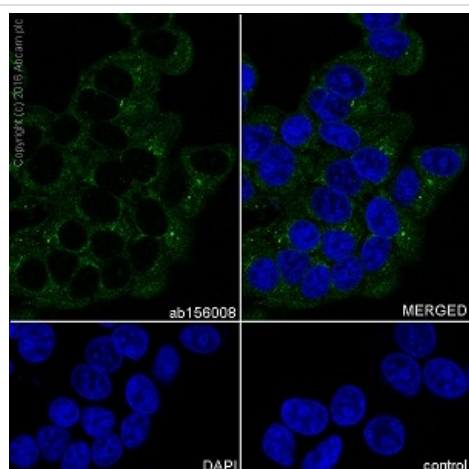
Predicted band size: 305 kDa

Blocking and diluting buffer: 5% NFDM/TBST



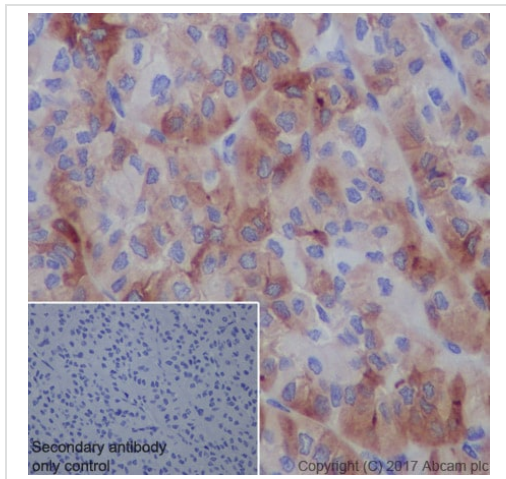
Flow Cytometry (Intracellular) - Anti-Thyroglobulin antibody [EPR9730] (ab156008)

Intracellular Flow Cytometry analysis of TT (Human thyroid carcinoma epithelial cell) cells labeling Thyroglobulin with purified ab156008 at 1/70 dilution (10µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



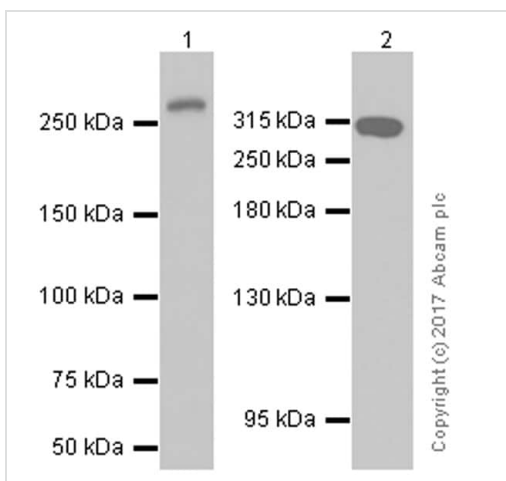
Immunocytochemistry/ Immunofluorescence - Anti-Thyroglobulin antibody [EPR9730] (ab156008)

Immunocytochemistry/ Immunofluorescence analysis of TT (Human thyroid carcinoma epithelial cell) cells labeling Thyroglobulin with Purified ab156008 at 1:100 dilution. Cells were fixed in 100% Methanol. [ab150077](#) Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thyroglobulin antibody [EPR9730] (ab156008)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human thyroid carcinoma tissue sections labeling Thyroglobulin with Purified ab156008 at 1:500 dilution (1.36 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-Thyroglobulin antibody [EPR9730] (ab156008)

All lanes : Anti-Thyroglobulin antibody [EPR9730] (ab156008) at 1/50000 dilution (purified)

Lane 1 : Mouse thyroid lysates

Lane 2 : ICR thyroid lysates

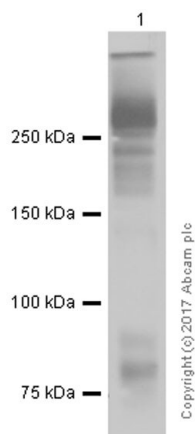
Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**)

Predicted band size: 305 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-Thyroglobulin antibody
[EPR9730] (ab156008)

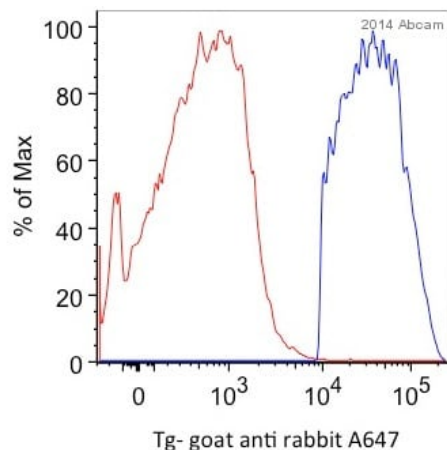
Anti-Thyroglobulin antibody [EPR9730] (ab156008) at 1/10000 dilution (purified) + Human thyroid lysates at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 305 kDa

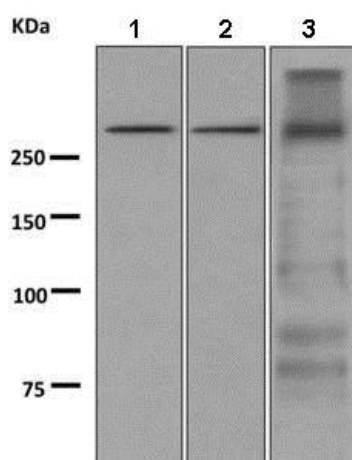
Blocking and diluting buffer: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-Thyroglobulin
antibody [EPR9730] (ab156008)

This image is courtesy of an Abreview submitted by
Sanjay Gawade

Unpurified ab156008 staining Thyroglobulin in mouse thyroid cells by intracellular flow cytometry. Cells were fixed with formaldehyde and permeabilized with permeabilization buffer. The sample was incubated with the primary antibody (1/100 in FACS buffer) for 30 minutes at 24°C. An Alexa Fluor® 647-conjugated goat anti-rabbit IgG (1/2000) was used as the secondary antibody. Gating Strategy: Epithelial cells. Red line shows unlabeled sample, blue line shows labeled sample.



Western blot - Anti-Thyroglobulin antibody
[EPR9730] (ab156008)

All lanes : Anti-Thyroglobulin antibody [EPR9730] (ab156008) at 1/10000 dilution (unpurified)

Lane 1 : Mouse thyroid lysate

Lane 2 : Rat thyroid lysate

Lane 3 : Human thyroid lysate

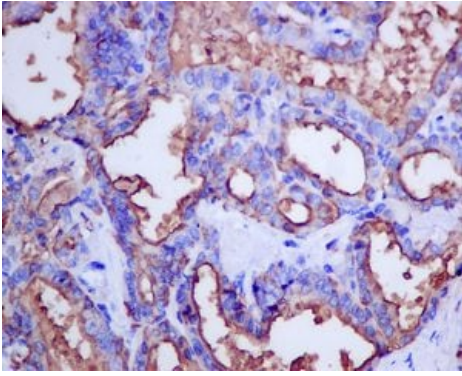
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

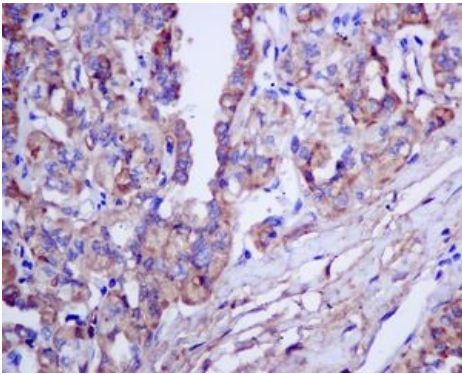
Predicted band size: 305 kDa

Observed band size: 294-300 kDa



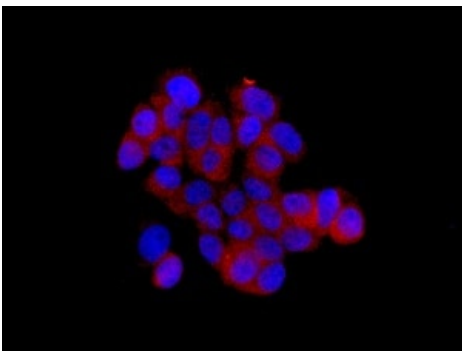
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thyroglobulin antibody [EPR9730] (ab156008)

Immunohistochemical analysis of paraffin embedded Human thyroid gland follicular carcinoma tissue labeling Thyroglobulin with unpurified ab156008 antibody at 1/250.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thyroglobulin antibody [EPR9730] (ab156008)

Immunohistochemical analysis of paraffin embedded Human thyroid gland papillary carcinoma tissue labeling Thyroglobulin with unpurified ab156008 antibody at 1/250.



Immunocytochemistry/ Immunofluorescence - Anti-Thyroglobulin antibody [EPR9730] (ab156008)

Immunofluorescent analysis of TT cells labeling Thyroglobulin with unpurified ab156008 at 1/50.

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



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Animal-free production

Anti-Thyroglobulin antibody [EPR9730] (ab156008)

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