



# Anti-Thyroid Hormone Receptor beta antibody ab5622

**24 References**   **画像数 6**

### 製品の概要

製品名	Anti-Thyroid Hormone Receptor beta antibody
製品の詳細	Rabbit polyclonal to Thyroid Hormone Receptor beta
由来種	Rabbit
特異性	This antibody does not detect TR alpha-1 or TRv alpha-2.
アプリケーション	<b>適用あり:</b> ICC/IF, IHC-P
種交差性	<b>交差種:</b> Rat, Human
免疫原	Synthetic peptide corresponding to Human Thyroid Hormone Receptor beta aa 62-81. With an N-terminal added cysteine. Sequence: IFHLDHDDVNDQSVSSAQTF
ポジティブ・コントロール	IHC-P: Human colon, Human thyroid, Rat thyroid tissues. ICC: HeLa, A431 and L6 cells.
特記事項	<p> <a href="#">Run BLAST with</a>    <a href="#">Run BLAST with</a></p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 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 or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituent: 99% PBS
精製度	Whole antiserum
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

## アプリケーション

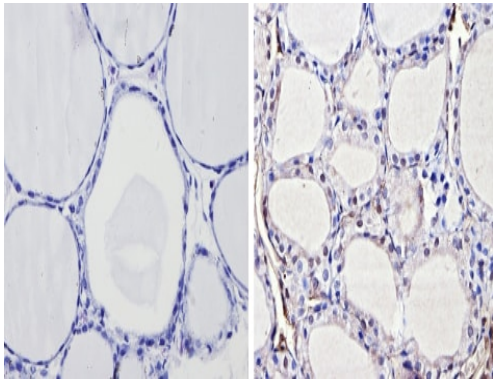
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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		1/50 - 1/500.
IHC-P		1/100 - 1/500.

## ターゲット情報

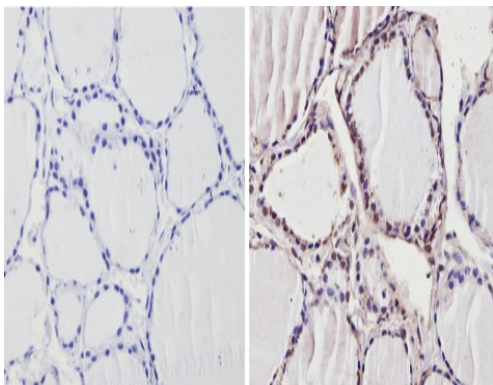
機能	High affinity receptor for triiodothyronine.
関連疾患	<p>Defects in THRB are the cause of generalized thyroid hormone resistance (GTHR) [MIM:188570, 274300]. GTHR is transmitted as an autosomal dominant trait, but an autosomal recessive form also exists. The disease is characterized by goiter, abnormal mental functions, increased susceptibility to infections, abnormal growth and bone maturation, tachycardia and deafness. Affected individuals may also have attention deficit-hyperactivity disorders (ADHD) and language difficulties. GTHR patients also have high levels of circulating thyroid hormones (T3-T4), with normal or slightly elevated thyroid stimulating hormone (TSH).</p> <p>Defects in THRB are the cause of selective pituitary thyroid hormone resistance (PRTH) [MIM:145650]; also known as familial hyperthyroidism due to inappropriate thyrotropin secretion. PRTH is a variant form of thyroid hormone resistance and is characterized by clinical hyperthyroidism, with elevated free thyroid hormones, but inappropriately normal serum TSH. Unlike GRTH, where the syndrome usually segregates with a dominant allele, the mode of inheritance in PRTH has not been established.</p>
配列類似性	<p>Belongs to the nuclear hormone receptor family. NR1 subfamily.</p> <p>Contains 1 nuclear receptor DNA-binding domain.</p>
ドメイン	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
細胞内局在	Nucleus.

## 画像



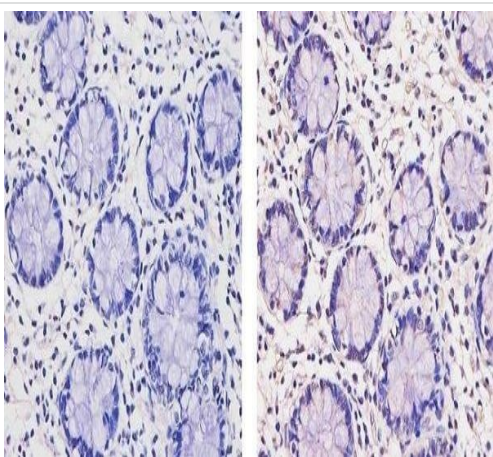
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thyroid Hormone Receptor beta antibody - ChIP Grade (ab5622)

ab5622 labelling Thyroid Hormone Receptor beta in the nucleus of Rat thyroid tissue (right) compared with a negative control (left). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0) microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H<sub>2</sub>O<sub>2</sub>-methanol for 15 min at room temperature. Tissue sections were incubated with the primary antibody (1:200 in 3% BSA-PBS) overnight at 4°C. A HRP-conjugated anti-rabbit IgG was used as the secondary antibody, followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



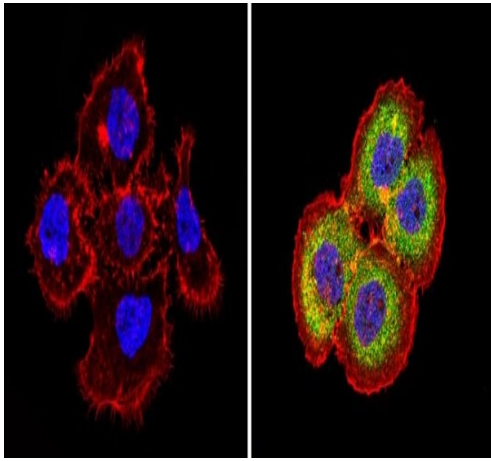
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thyroid Hormone Receptor beta antibody - ChIP Grade (ab5622)

ab5622 labelling Thyroid Hormone Receptor beta in the nucleus of Human thyroid tissue (right) compared with a negative control (left). To expose target proteins, antigen retrieval method was performed using 10mM sodium citrate (pH 6.0) microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H<sub>2</sub>O<sub>2</sub>-methanol for 15 min at room temperature. Tissue sections were incubated with the primary antibody (1:200 in 3% BSA-PBS) overnight at 4°C. A HRP-conjugated anti-rabbit IgG was used as the secondary antibody, followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



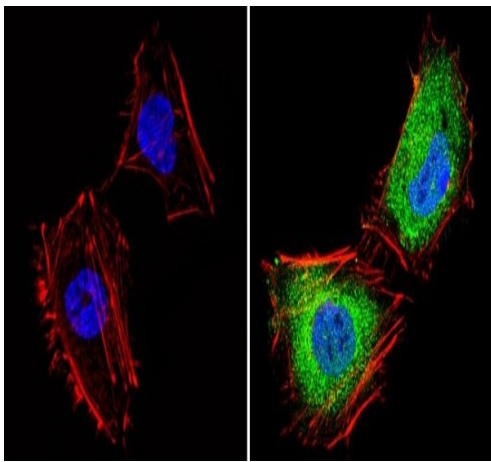
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Thyroid Hormone Receptor beta antibody - ChIP Grade (ab5622)

ab5622 staining Thyroid Hormone Receptor in Human colon tissue sections (right) compared to negative control (left) by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and blocked with 3% H<sub>2</sub>O<sub>2</sub>-methanol for 15 minutes at room temperature; antigen retrieval was by heat mediation in a citrate buffer. Samples were incubated with primary antibody (1/20) for 1 hour at 37°C. A HRP-conjugated secondary antibody was used for detection.



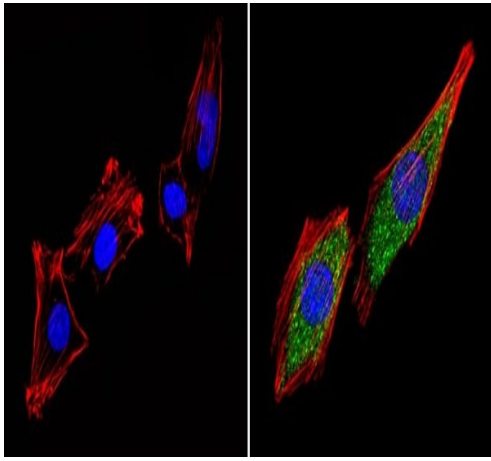
Immunocytochemistry/ Immunofluorescence - Anti-Thyroid Hormone Receptor beta antibody - ChIP Grade (ab5622)

ab5622 staining Thyroid Hormone Receptor beta in A431 cells (right) compared to negative control (left) by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with formalin, permeabilized with 0.1% Triton X-100 in TBS and blocked with 3% BSA for 30 minutes at room temperature. Samples were incubated with primary antibody (1/100) overnight at 4°C. A Dylight-conjugated secondary antibody was used. F-actin stained with red phalloidin (red) and nuclei stained with Hoechst (blue).



Immunocytochemistry/ Immunofluorescence - Anti-Thyroid Hormone Receptor beta antibody - ChIP Grade (ab5622)

ab5622 staining Thyroid Hormone Receptor beta in HeLa cells (right) compared to negative control (left) by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with formalin, permeabilized with 0.1% Triton X-100 in TBS and blocked with 3% BSA for 30 minutes at room temperature. Samples were incubated with primary antibody (1/100) overnight at room temperature. A Dylight-conjugated secondary antibody was used. F-actin stained with red phalloidin (red) and nuclei stained with Hoechst (blue).



Immunocytochemistry/ Immunofluorescence - Anti-Thyroid Hormone Receptor beta antibody - ChIP Grade (ab5622)

ab5622 staining Thyroid Hormone Receptor beta in L6 cells (right) compared to negative control (left) by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with formalin, permeabilized with 0.1% Triton X-100 in TBS and blocked with 3% BSA for 30 minutes at room temperature. Samples were incubated with primary antibody (1/100) overnight at 4°C. A Dylight-conjugated secondary antibody was used. F-actin stained with red phalloidin (red) and nuclei stained with Hoechst (blue).

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