

# Anti-Thyroid Hormone Receptor alpha antibody [EPR7862] ab179438

Recombinant RabMAb

[3 Images](#)

### Overview

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<b>Product name</b>	Anti-Thyroid Hormone Receptor alpha antibody [EPR7862]
<b>Description</b>	Rabbit monoclonal [EPR7862] to Thyroid Hormone Receptor alpha
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: NIH/3T3, MEF, and D1.1 cell lysates.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</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>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR7862
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab179438 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

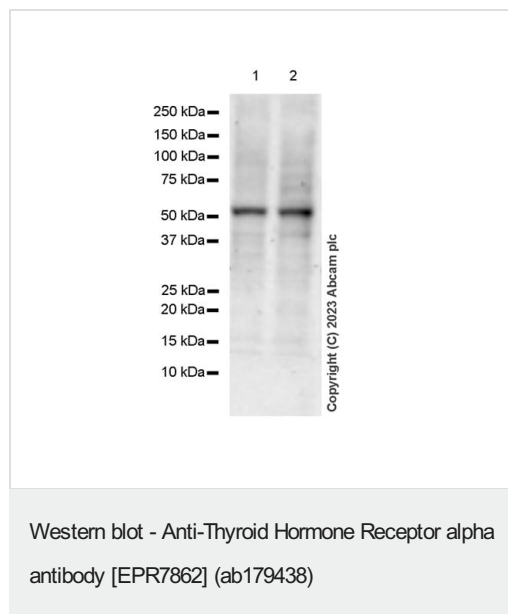
Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/5000. Predicted molecular weight: 55 kDa.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

## Target

<b>Function</b>	Nuclear hormone receptor that can act as a repressor or activator of transcription. High affinity receptor for thyroid hormones, including triiodothyronine and thyroxine.
<b>Involvement in disease</b>	Hypothyroidism, congenital, non-goitrous, 6
<b>Sequence similarities</b>	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
<b>Domain</b>	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
<b>Cellular localization</b>	Nucleus.

## Images



**All lanes** : Anti-Thyroid Hormone Receptor alpha antibody [EPR7862] (ab179438) at 1/1000 dilution

**Lane 1** : NIH/3T3 (mouse embryonic fibroblast) whole cell lysate

**Lane 2** : MEF (mouse embryo fibroblast) whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

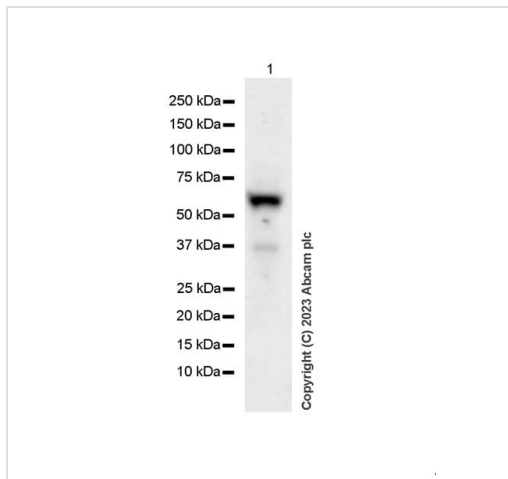
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Predicted band size:** 55 kDa

**Observed band size:** 55 kDa

**Exposure time:** 180 seconds

Blocking and dilution buffer: 5% NFDM/TBST.



Anti-Thyroid Hormone Receptor alpha antibody [EPR7862] (ab179438) at 1/1000 dilution + D1.1 (human T lymphoblast), whole cell lysate at 50 µg

### Secondary

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

**Predicted band size:** 55 kDa

**Observed band size:** 55 kDa

Western blot - Anti-Thyroid Hormone Receptor alpha antibody [EPR7862] (ab179438)

**Exposure time:** 59 seconds

Blocking and dilution buffer: 5% NFDM/TBST.

Why choose a recombinant antibody?

<p><b>Research with confidence</b> Consistent and reproducible results</p>	<p><b>Long-term and scalable supply</b> Recombinant technology</p>
<p><b>Success from the first experiment</b> Confirmed specificity</p>	<p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-Thyroid Hormone Receptor alpha antibody [EPR7862] (ab179438)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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