

# Anti-Thyroid Hormone Receptor alpha antibody ab53729

★★★★★ [9 Abreviews](#) [13 References](#) [4 图像](#)

## 概述

产品名称	Anti-Thyroid Hormone Receptor alpha抗体
描述	兔多克隆抗体to Thyroid Hormone Receptor alpha
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ChIP, ICC/IF
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide corresponding to Human Thyroid Hormone Receptor alpha aa 8-59.
常规说明	<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>

## 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	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS</p>
纯度	Without Mg+2 and Ca+2
纯化说明	Immunogen affinity purified
克隆	ab53729 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
同种型	多克隆
	IgG

## 应用

**Abpromise™ 承诺保证使用ab53729于以下的经测试应用**

应用	Ab评论	说明
WB	★★★★★ (7)	1/500 - 1/1000. Detects a band of approximately 55 kDa (predicted molecular weight: 55 kDa).
IHC-P		Use at an assay dependent concentration.
ChIP		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 1 - 5 µg/ml.

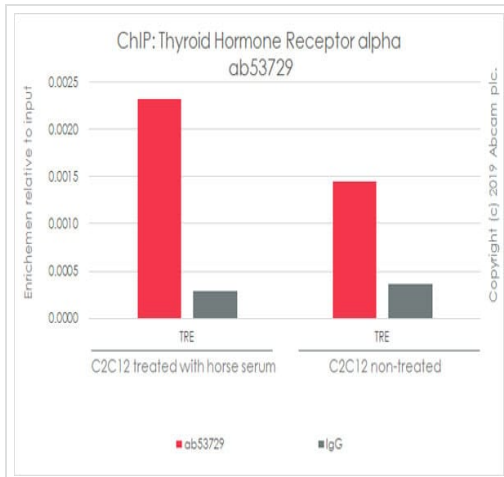
功能	Nuclear hormone receptor that can act as a repressor or activator of transcription. High affinity receptor for thyroid hormones, including triiodothyronine and thyroxine.
疾病相关	Hypothyroidism, congenital, non-goitrous, 6
序列相似性	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
结构域	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
细胞定位	Nucleus.

Western blot analysis of Anti-Thyroid Hormone Receptor alpha antibody (ab53729) in HeLa, HEPG2, CACO2, and SW480 cell lines. The blot shows bands at approximately 55 kDa and 35 kDa across all lanes.

**Observed band size: 55 kDa**

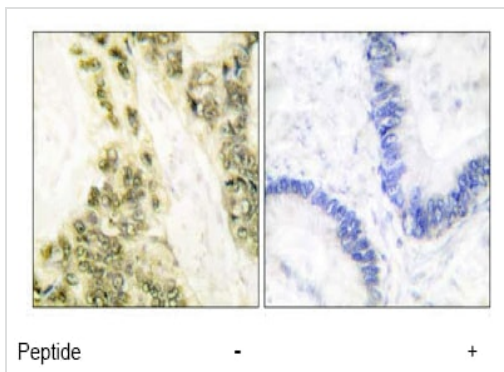
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Lot: 811200345



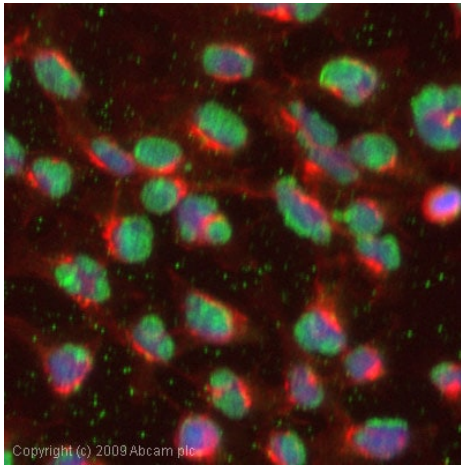
ChIP - Anti-Thyroid Hormone Receptor alpha  
antibody (ab53729)

Chromatin was prepared from C2C12 cells according to the Abcam X-ChIP protocol. Cells were fixed with 1% formaldehyde for 10 minutes. The ChIP was performed with 25µg of chromatin, 5µg of ab53729 (red), and 20µl of protein A/G sepharose beads slurry (10µl of sepharose A beads + 10µl of sepharose G beads). 5µg of rabbit normal IgG was added to the beads control (grey). The immunoprecipitated DNA was quantified by real time PCR (Sybr green approach).



ab53729 at 1/50 dilution staining Thyroid Hormone Receptor alpha in human colon carcinoma by Immunohistochemistry, Paraffin embedded tissue, in the absence or presence of the immunising peptide.

Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-Thyroid Hormone  
Receptor alpha antibody (ab53729)



Immunocytochemistry/ Immunofluorescence - Anti-Thyroid Hormone Receptor alpha antibody (ab53729)

ICC/IF image of ab53729 stained Hek293 cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab53729, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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

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