




## Product datasheet

# Anti-Retinoic Acid Receptor gamma 1 antibody ab5904

[2 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-Retinoic Acid Receptor gamma 1 antibody
<b>Description</b>	Rabbit polyclonal to Retinoic Acid Receptor gamma 1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human <b>Predicted to work with:</b> Rabbit 
<b>Immunogen</b>	Synthetic peptide corresponding to Retinoic Acid Receptor gamma 1 aa 40-57 (N terminal). Sequence: EMLSPSFRGLGQPDLPKE  (Peptide available as <a href="#">ab39773</a> ) <div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	WB: MCF7, BeWo, HaCaT, HepG2 and HEK293 cell lysate. Mouse Mammary Gland and Rat brain tissue lysate.
<b>General notes</b>	<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>

### Properties

<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 or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab5904 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
WB		1/2000. Detects a band of approximately 50 kDa (predicted molecular weight: 54 kDa).

## Target

### Function

Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence of ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. Required for limb bud development. In concert with RARA or RARB, required for skeletal growth, matrix homeostasis and growth plate function.

### Sequence similarities

Belongs to the nuclear hormone receptor family. NR1 subfamily.  
Contains 1 nuclear receptor DNA-binding domain.

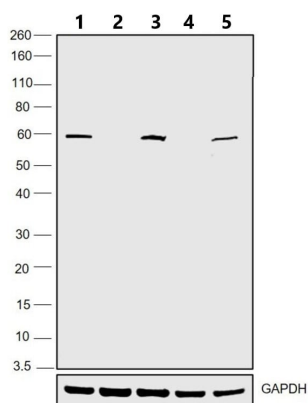
### Domain

Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.

### Cellular localization

Nucleus.

## Images



Western blot - Anti-Retinoic Acid Receptor gamma 1 antibody (ab5904)

**All lanes :** Anti-Retinoic Acid Receptor gamma 1 antibody (ab5904) at 1/500 dilution

**Lane 1 :** MCF7 Nuclear enriched extract lysate

**Lane 2 :** BeWo Nuclear enriched extract lysate

**Lane 3 :** HaCaT Nuclear enriched extract lysate

**Lane 4 :** HepG2 Nuclear enriched extract lysate

**Lane 5 :** Mouse Mammary Gland tissue lysate

Lysates/proteins at 50 µg per lane.

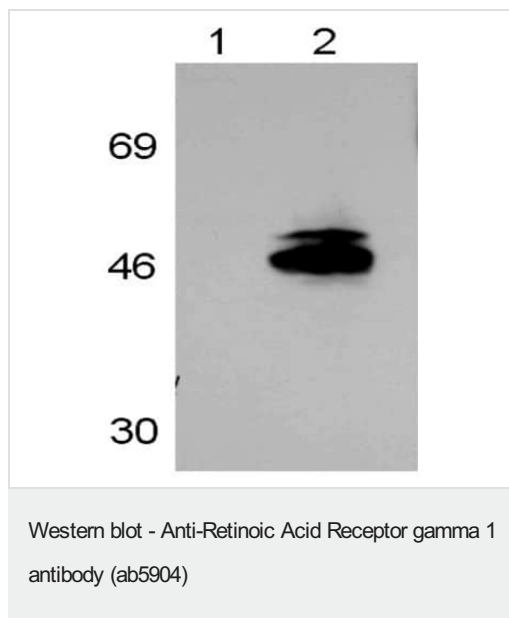
### Secondary

**All lanes :** Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP at 1/4000 dilution

**Predicted band size:** 54 kDa

**Observed band size:** 60 kDa

**Detection:** chemiluminescence.

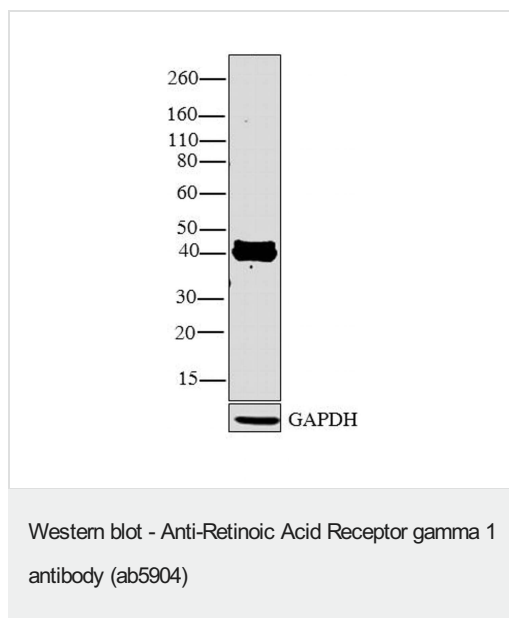


**All lanes :** Anti-Retinoic Acid Receptor gamma 1 antibody (ab5904)

**Lane 1 :** HEK293 cell lysate with neutralizing peptide

**Lane 2 :** HEK293 cell lysate

**Predicted band size:** 54 kDa



Anti-Retinoic Acid Receptor gamma 1 antibody (ab5904) at 1/250 dilution + Rat brain tissue lysate at 30 µg

#### **Secondary**

Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate at 0.25 µg/ml

**Predicted band size:** 54 kDa

**Observed band size:** 42 kDa

**Detection:** chemiluminescence.

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

#### **Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors