

## Datasheet: AHP1351

<b>Description:</b>	RABBIT ANTI HUMAN ERR GAMMA (N-TERMINAL)
<b>Specificity:</b>	ERR GAMMA (N-TERMINAL)
<b>Other names:</b>	ESTROGEN-RELATED RECEPTOR GAMMA
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Rat</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<b>Product Form</b>	Purified IgG - liquid

**Antiserum Preparation** Antisera to human ERR gamma were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

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**Buffer Solution** Phosphate buffered saline

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**Preservative Stabilisers** 0.1% Sodium Azide (NaN<sub>3</sub>)

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**Approx. Protein Concentrations** IgG concentration 1.0mg/ml

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**Immunogen** Synthetic peptide corresponding to the N-terminal domain of human ERR gamma, conjugated to Keyhole Limpet Hemocyanin (KLH).

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**External Database Links**

**UniProt:**

[P62508](#)    [Related reagents](#)

**Entrez Gene:**

[2104](#)    [ESRRG](#)    [Related reagents](#)

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**Synonyms** ERR3, ERRG2, KIAA0832, NR3B3

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**RRID** AB\_906017

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**Specificity** **Rabbit anti Human ERR gamma antibody** detects estrogen-related receptor gamma (ERR gamma), a member of the nuclear hormone receptor superfamily. The fasting-induced coactivator protein PGC-1 $\alpha$  has been shown to activate the ERR gamma, and together these proteins have a major role in the regulation of ERR alpha gene expression and energy homeostasis.

ERR gamma and alpha are co-expressed in high energy demanding tissues such as skeletal muscle heart and kidney, and have been suggested to function in their differentiation.

ERR gamma is over-expressed in breast tumours, and may be a potential biomarker for favourable clinical course and hormonal sensitivity.

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**Histology Positive Control Tissue** Kidney.

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**References** 1. Zhang, Z. & Teng, C.T. (2007) Interplay between estrogen-related receptor alpha (ERRalpha) and gamma (ERRgamma) on the regulation of ERRalpha gene expression. [Mol Cell Endocrinol. 264 \(1-2\): 128-41.](#)

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**Storage** Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend

microcentrifugation before use.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

- [HISTAR DETECTION SYSTEM \(STAR3000A\)](#)
- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
- [100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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