

## Datasheet: AHP1138

<b>Description:</b>	RABBIT ANTI HUMAN RAR BETA (C-TERMINAL)
<b>Specificity:</b>	RAR BETA (C-TERMINAL)
<b>Other names:</b>	RETINOIC ACID RECEPTOR BETA
<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)	▪			5 - 15ug/ml
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>	Does not react with:Rat
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to RAR beta were raised by repeated immunisations of rabbit with highly purified antigen. Purified IgG prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.2 mg/ml

<b>Immunogen</b>	Synthetic peptide corresponding to the C-terminal region of human RAR beta.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P10826</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5915</a>   RARB   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	HAP, NR1B2
<b>RRID</b>	AB_844659
<b>Specificity</b>	<p><b>Rabbit anti Human RAR beta antibody</b> detects an epitope within the C-terminal (CT) region of retinoic acid receptor beta (RAR beta), a ~55 kDa transcriptional factor activated by retinoic acid. Once activated RAR beta heterodimerizes with retinoid X receptors (RXRs) and translocates to the nucleus, where it stimulates the transcription of growth-inhibitory, differentiation-inducing genes. In this way RAR beta mediates cellular signalling in embryonic morphogenesis and organogenesis.</p> <p>The RAR beta exists as three isoforms, which are localised to the cytoplasm or subnuclear compartments. Down-regulation of the RAR-b2 isoform occurs early in tumorigenesis, and is a tumour suppressor gene.</p>
<b>Histology Positive Control Tissue</b>	Intermediate trophoblasts.
<b>References</b>	<ol style="list-style-type: none"> <li>Swift, M.E. <i>et al.</i> (2006) Truncated RAR beta isoform enhances proliferation and retinoid resistance. <a href="#">J Cell Physiol. 209 (3): 718-25.</a></li> <li>Desai, T.J. <i>et al.</i> (2006) Distinct roles for retinoic acid receptors alpha and beta in early lung morphogenesis. <a href="#">Dev Biol. 291 (1): 12-24.</a></li> <li>Grunt, T.W. <i>et al.</i> (2005) An EGF receptor inhibitor induces RAR-beta expression in breast and ovarian cancer cells. <a href="#">Biochem Biophys Res Commun. 329 (4): 1253-9.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<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>
<b>Regulatory</b>	For research purposes only

## 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 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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