

Datasheet: AHP1138

Description:	RABBIT ANTI HUMAN RAR BETA (C-TERMINAL)
Specificity:	RAR BETA (C-TERMINAL)
Other names:	RETINOIC ACID RECEPTOR BETA
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Species Cross Reactivity	Does not react with:Rat
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to RAR beta were raised by repeated immunisations of rabbit with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.2 mg/ml

Immunogen	Synthetic peptide corresponding to the C-terminal region of human RAR beta.
External Database Links	<p>UniProt: P10826 Related reagents</p> <p>Entrez Gene: 5915 RARB Related reagents</p>
Synonyms	HAP, NR1B2
Specificity	<p>Rabbit anti Human RAR beta antibody 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>
Histology Positive Control Tissue	Intermediate trophoblasts.
References	<ol style="list-style-type: none"> Swift, M.E. <i>et al.</i> (2006) Truncated RAR beta isoform enhances proliferation and retinoid resistance. J Cell Physiol. 209 (3): 718-25. Desai, T.J. <i>et al.</i> (2006) Distinct roles for retinoic acid receptors alpha and beta in early lung morphogenesis. Dev Biol. 291 (1): 12-24. Grunt, T.W. <i>et al.</i> (2005) An EGF receptor inhibitor induces RAR-beta expression in breast and ovarian cancer cells. Biochem Biophys Res Commun. 329 (4): 1253-9.
Storage	<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>
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Sheep Anti Rabbit IgG (2AB02...)

[Biotin](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[DyLight@680](#), [DyLight@800](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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

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