

## Datasheet: AHP2436

<b>Description:</b>	RABBIT ANTI ARNT
<b>Specificity:</b>	ARNT
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

## 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
Western Blotting	▪			1/500 - 1/2000

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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p>Based on sequence similarity, is expected to react with: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
<b>Antiserum Preparation</b>	Antiserum to ARNT was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<p>0.02% Sodium Azide</p> <p>50% Glycerol</p>
<b>Immunogen</b>	Recombinant human ARNT

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P27540</a> <a href="#">Related reagents</a>
	<b>Entrez Gene:</b> <a href="#">405</a> ARNT <a href="#">Related reagents</a>
<b>Synonyms</b>	BHLHE2
<b>Specificity</b>	<b>Rabbit anti ARNT antibody</b> recognizes aryl hydrocarbon receptor nuclear translocator (encoded by the gene ARNT), also known as hypoxia-inducible factor 1-beta (HIF1-beta) or bHLHe2. ARNT is a member of the bHLH PAS (basic helix-loop-helix Per-ARNT-Sim) family of transcription factors. ARNT forms complexes with either hypoxia-inducible factor 1-alpha (HIF-1 alpha) or aryl hydrocarbon receptor (AhR), ARNT is involved in the adaptive response to stress caused by dioxins and hypoxia.
<b>Western Blotting</b>	Rabbit anti ARNT antibody detects a band of approximately 87 kDa in cell lysates under reducing conditions. Rabbit anti ARNT antibody also appears to detect a modified form of ARNT at a higher molecular weight.
<b>Storage</b>	Store at -20°C 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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2436">https://www.bio-rad-antibodies.com/SDS/AHP2436</a> 10049
<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

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South America**  
Tel: +1 800 265 7376  
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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