

Datasheet: AHP2436

Description:	RABBIT ANTI ARNT
Specificity:	ARNT
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

Based on sequence similarity, is expected to react with:Rat

N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to ARNT was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative

0.02% Sodium Azide

Stabilisers

50% Glycerol

Immunogen

Recombinant human ARNT

External Database

Links

UniProt:

[P27540](#)

[Related reagents](#)

Entrez Gene:

[405](#)

ARNT

[Related reagents](#)

Synonyms

BHLHE2

Specificity	Rabbit anti ARNT antibody 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.
Western Blotting	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.
Storage	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.
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.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

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

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Printed on 25 May 2018