

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 Stabilisers	0.02% Sodium Azide 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 01 May 2018