

Datasheet for ABIN6260045
anti-ARNT antibody (N-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	ARNT
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARNT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human ARNT, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	ARNT Antibody detects endogenous levels of total ARNT.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	ARNT
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Target Details

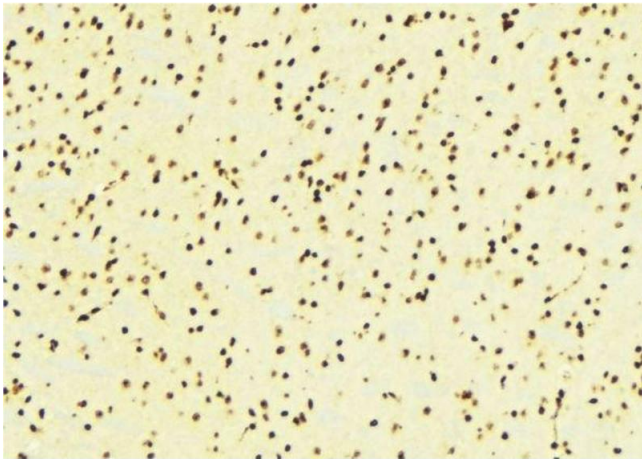
Alternative Name:	ARNT (ARNT Products)
Background:	<p>Description: Required for activity of the Ah (dioxin) receptor. This protein is required for the ligand-binding subunit to translocate from the cytosol to the nucleus after ligand binding. The complex then initiates transcription of genes involved in the activation of PAH procarcinogens. The heterodimer with HIF1A or EPAS1/HIF2A functions as a transcriptional regulator of the adaptive response to hypoxia.</p> <p>Gene: ARNT</p>
Molecular Weight:	87kDa
Gene ID:	405
UniProt:	P27540
Pathways:	Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Regulation of Carbohydrate Metabolic Process , Signaling Events mediated by VEGFR1 and VEGFR2 , Warburg Effect

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

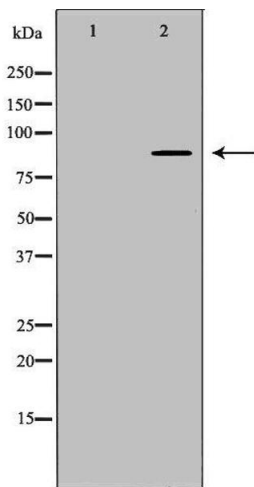
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



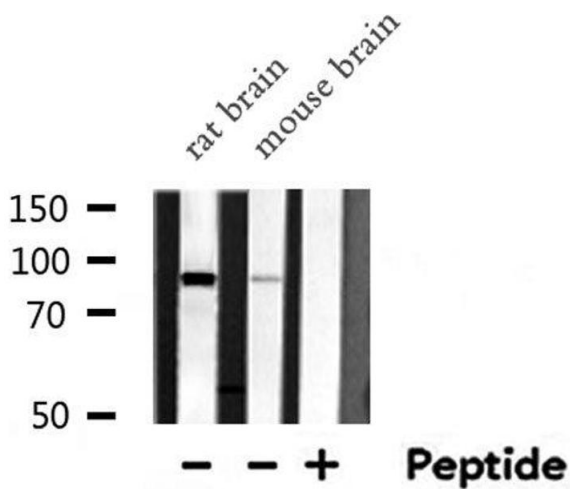
Immunohistochemistry

Image 1. ABIN6276424 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



Western Blotting

Image 2. Western blot analysis of extracts of HeLa, using ARNT antibody. The lane on the left is treated with the antigen-specific peptide.



Western Blotting

Image 3. Western blot analysis of ARNT expression in various lysates

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6260045.