

Datasheet for ABIN363326

**anti-ARNT antibody****3** Images[Go to Product page](#)

## Overview

Quantity:	0.1 mL
Target:	ARNT
Reactivity:	Human, Mouse, Rat, Cow, Sheep, Ferret
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARNT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Chromatin Immunoprecipitation (ChIP)

## Product Details

Immunogen:	Fusion protein to human HIF-1 beta
Specificity:	Reacts with human HIF 1 beta /ARNT
Cross-Reactivity:	Mouse (Murine), Cow (Bovine), Sheep (Ovine), Rat (Rattus)
Cross-Reactivity (Details):	Cross reacts with proteins from bovine, sheep, mouse, rat and ferret. Not tested in other species.
Purification:	Antiserum

## Target Details

Target:	ARNT
Alternative Name:	Hypoxia-Inducible Factor 1-beta ( <a href="#">ARNT Products</a> )

## Target Details

**Background:** 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.

**Gene ID:** 405

**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:** Working dilution: Optimal dilution should be determined by the end user.  
The following are guidelines only:  
ChIP1:10-1:500 ICC/IF (Negative), IHC1:150, IP1:10-1:500, WB1:2000

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

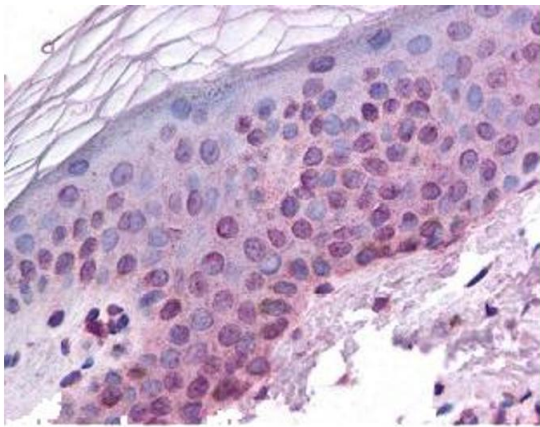
**Buffer:** , Sodium azide 0.02 %

**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/-80 °C

**Storage Comment:** Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.



Staining of skin epidermis using Pab50017

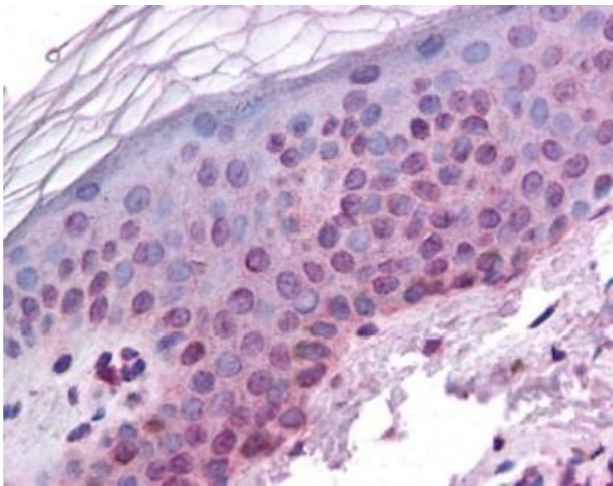


Image 1.

Image 2.

Image 3.