

## Datasheet for ABIN933097 **anti-ARNTL2 antibody**

### 3 Images



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### Overview

Quantity:	100 µg
Target:	ARNTL2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ARNTL2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Flow Cytometry (FACS), Dot Blot (DB)

### Product Details

Immunogen:	ARNTL2 antibody was raised in mouse using recombinant Aryl Hydrocarbon Receptor Nuclear Translocator-Like 2
Clone:	ARNTH6B5
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

### Target Details

Target:	ARNTL2
Alternative Name:	ARNTL2 ( <a href="#">ARNTL2 Products</a> )

## Target Details

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**Background:** BMAL2-CLOCK heterodimers activate E-box element (3'-CACGTG-5') transcription. Also, in umbilical vein endothelial cells, activates SERPINE1 through E-box sites. This transactivation is inhibited by PER2 and CRY1. Synonyms: Monoclonal ARNTL2 antibody, Anti-ARNTL2 antibody, Aryl hydrocarbon receptor nuclear translocator-like 2 antibody, CLIF antibody, MOP9 antibody, BMAL2 antibody, PASD9 antibody.

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**Pathways:** [Photoperiodism](#)

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## Application Details

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**Application Notes:** WB: 0.2-2 µg/mL, FC: 0.5-2 µg/sample  
Optimal conditions should be determined by the investigator.

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Liquid

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**Concentration:** Lot specific

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**Buffer:** ARNTL2 antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub> PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub> HPO<sub>4</sub> (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN<sub>3</sub>).

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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**Handling Advice:** Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

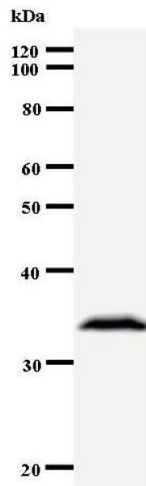
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**Storage:** 4 °C/-20 °C

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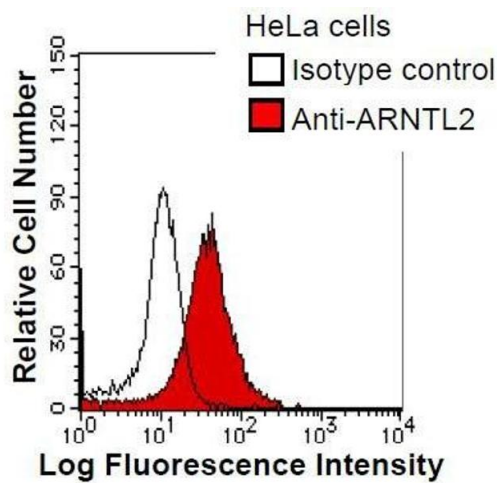
**Storage Comment:** Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.

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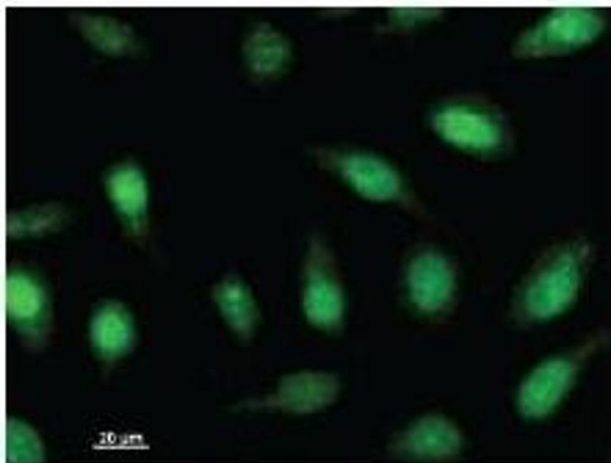
### Western Blotting

Image 1.



### Flow Cytometry

**Image 2.** HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-ARNTL2 antibody (shaded) or isotype control (unshaded) followed by Alexa Fluor 488 conjugated goat anti-mouse IgG.



### Immunofluorescence

**Image 3.** Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.01% Triton-X100 in PBS. The cells were immunostained with anti-ARNTL2 antibody.