

Datasheet for ABIN2856024

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

Overview

Quantity:	100 µL
Target:	ARNTL
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARNTL antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human BMAL1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to MOP3 (aryl hydrocarbon receptor nuclear translocator-like) MOP3 antibody [N1N3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ARNTL
Alternative Name:	aryl hydrocarbon receptor nuclear translocator like (ARNTL Products)

Target Details

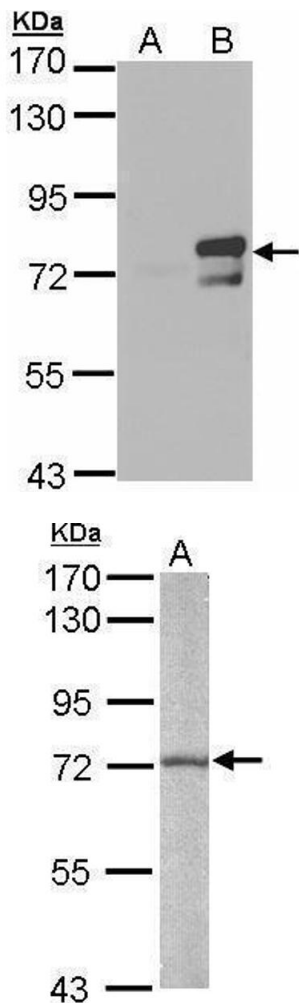
Background:	The protein encoded by this gene is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This complex binds an E-box upstream of the PER1 gene, activating this gene and possibly other circadian rhythm-associated genes. Three transcript variants encoding two different isoforms have been found for this gene. Cellular Localization: Nucleus
Molecular Weight:	69 kDa
Gene ID:	406
UniProt:	O00327
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Protein targeting to Nucleus , Warburg Effect

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Mouse brain , ARNTL transfected 293T cell Validation: Orthogonal, Overexpression
Restrictions:	For Research Use only

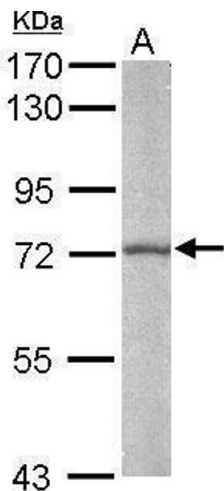
Handling

Format:	Liquid
Concentration:	0.65 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



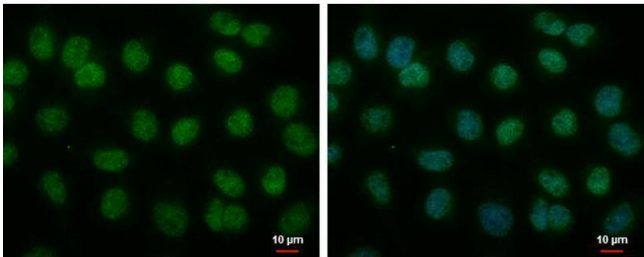
Western Blotting

Image 1. WB Image Western Blot analysis of ARNTL expression in transfected 293T cell line by ARNTL polyclonal antibody. A: Non-transfected lysate. B: ARNTL transfected lysate. 7.5% SDS PAGE antibody diluted at 1:500



Western Blotting

Image 2. WB Image Sample (50 ug of whole cell lysate) A: Mouse brain 7.5% SDS PAGE antibody diluted at 1:1000



Immunofluorescence

Image 3. ICC/IF Image MOP3 antibody [N1N3] detects MOP3 protein at nucleus by immunofluorescent analysis. Sample: A375 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: MOP3 protein stained by MOP3 antibody [N1N3] , diluted at 1:500. Blue: Hoechst 33342 staining.