



# Anti-ARNTL polyclonal antibody (DPABH-24352)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	ARNTL-CLOCK heterodimers activate E-box element (5-CACGTG-3) transcription of a number of proteins of the circadian clock. This transcription is inhibited in a feedback loop by PER, and also by CRY proteins.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 550 to the C-terminus of Human BMAL1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.40; Constituent: PBS
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

# GENE INFORMATION

Gene Name	<a href="#">ARNTL aryl hydrocarbon receptor nuclear translocator-like [ Homo sapiens ]</a>
Official Symbol	ARNTL
Synonyms	ARNTL; aryl hydrocarbon receptor nuclear translocator-like; TIC; JAP3; MOP3; BMAL1; PASD3; BMAL1c; bHLHe5; aryl hydrocarbon receptor nuclear translocator-like protein 1; bHLH-PAS protein JAP3; member of PAS protein 3; member of PAS superfamily 3; brain and muscle ARNT-like 1; PAS domain-containing protein 3; ARNT-like protein 1, brain and muscle; basic-helix-loop-helix-PAS orphan MOP3; basic-helix-loop-helix-PAS protein MOP3; class E basic helix-loop-helix protein 5;
Entrez Gene ID	<a href="#">406</a>
Protein Refseq	<a href="#">NP_001025443.1</a>
UniProt ID	<a href="#">O00327</a>
Pathway	BMAL1:CLOCK,NPAS2 activates circadian gene expression; Circadian rhythm; Circadian rhythm pathway; Dopaminergic synapse
Function	DNA binding; DNA binding; E-box binding; Hsp90 protein binding