

For Research Use Only

# ARNTL Recombinant antibody, PBS Only

Catalog Number: 86113-1-PBS



## Basic Information

### Catalog Number:

86113-1-PBS

### Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5586

### GenBank Accession Number:

BC041129

### GeneID (NCBI):

406

### UNIPROT ID:

O00327

### Full Name:

aryl hydrocarbon receptor nuclear translocator-like

### Calculated MW:

69 kDa

### Observed MW:

69-75 kDa

### Purification Method:

Protein A purification

### CloneNo.:

250536E10

## Applications

### Tested Applications:

WB, Indirect ELISA

### Species Specificity:

human, mouse, rat

## Background Information

BMAL1, a basic helix-loop-helices with Per-Arnt-Sim (PAS) domain transcription factor, is one of components that has core clock function in mammals. It form a heterodimer with CLOCK, and induce the transcription of target genes by binding to E-box elements within their promoter regions. And this transcription is inhibited in a feedback loop by PER, and also by CRY proteins. Also BMAL1 is a key player in the regulation of metabolism, playing a role in adipogenesis and in the control of glucose and triglycerides levels. Due to phosphorylation modification, BMAL1 can be detected as a band in the range of 70-80 kda (PMID: 14750952).

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS only, pH7.3

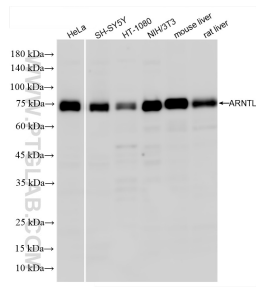
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86113-1-RR (ARNTL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86113-1-PBS in a different storage buffer formulation.