

For Research Use Only

ARNTL Recombinant antibody, PBS Only

Catalog Number: 86113-1-PBS



Basic Information

Catalog Number:

86113-1-PBS

Concentration:

1 mg/ml

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

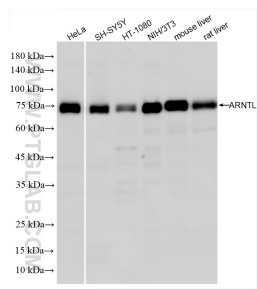
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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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.