

For Research Use Only

ARNTL Recombinant antibody

Catalog Number: 86113-1-RR



Basic Information

Catalog Number:

86113-1-RR

Concentration:

1000 µg/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

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, SH-SY5Y cells, HT-1080 cells, NIH/3T3 cells, mouse liver tissue, rat liver tissue

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

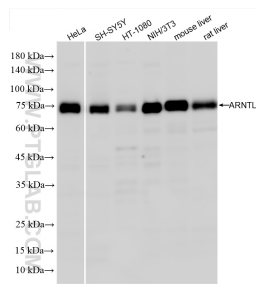
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.