

For Research Use Only

Multi-rAb® BMAL1 Multi-Recombinant antibody

Catalog Number: RMX00100



Basic Information

Catalog Number:

RMX00100

Source:

Rabbit

Isotype:

IgG

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:

N/A

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HT-1080 cells, mouse liver tissue, rat liver tissue

IHC : mouse liver tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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.

Aliquoting is unnecessary for -20°C storage

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

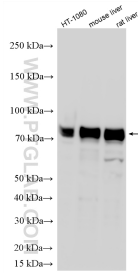
T: 4006900926

E: Proteintech-CN@ptglab.com

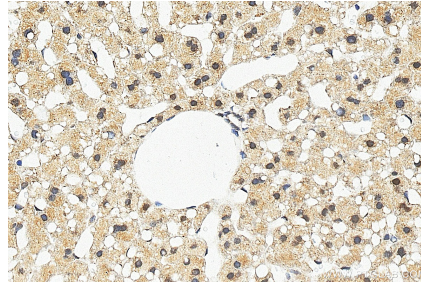
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00100 (BMAL1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using RMX00100 (BMAL1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).