

For Research Use Only

Multi-rAb® BMAL1 Multi-Recombinant antibody

Catalog Number: RMX00100



Basic Information

Catalog Number: RMX00100	GenBank Accession Number: BC041129	Purification Method: N/A
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 406	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000
Source: Rabbit	UNIPROT ID: O00327	
Isotype: IgG	Full Name: aryl hydrocarbon receptor nuclear translocator-like	
	Calculated MW: 69 kDa	
	Observed MW: 69-75 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HT-1080 cells, mouse liver tissue, rat 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	IHC : mouse 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

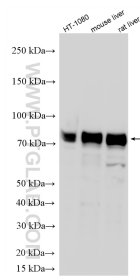
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

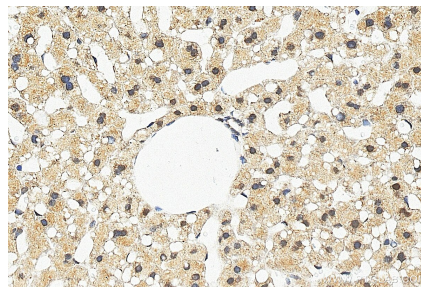
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 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).