

BMAL1 Polyclonal Antibody

Catalog NumberPA1-46118

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Non-human primate, Rat
Host/Isotope	Rabbit / IgG	Published species	Mouse, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	Bacterially expressed human BMAL1 (amino acids 392-626). [UniProt# O00327].	ChIP assay (ChIP)	Assay-Dependent
Conjugate	Unconjugated	Flow Cytometry (Flow)	Assay-Dependent
Form	Liquid	Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent
Concentration	1.0 mg/mL	Immunohistochemistry (Paraffin) (IHC (P))	1:250
Purification	Antigen affinity chromatography	Western Blot (WB)	0.5-2 µg/mL
Storage buffer	PBS	Immunocytochemistry (ICC/IF)	1:100
Contains	0.02% sodium azide	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended. Suggested positive control: antigen standard for ARNTL (transient overexpression lysate), reticulocyte lysate.

Background/Target Information

The protein encoded by this gene is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This complex binds an E-box upstream of the PER1 gene, activating this gene and possibly other circadian rhythm-associated genes. Three transcript variants encoding two different isoforms have been found for this gene.

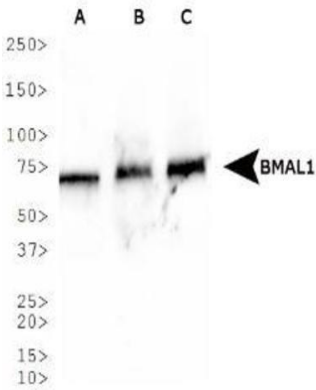
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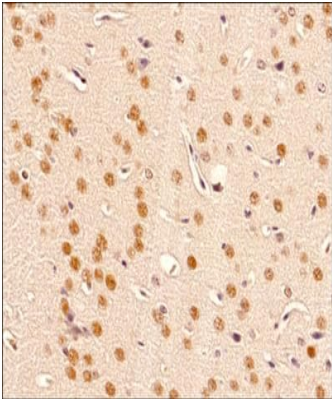
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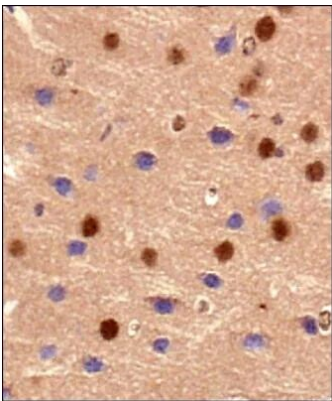
Product Images For BMAL1 Polyclonal Antibody



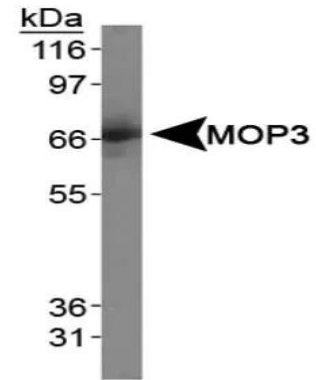
BMAL1 Antibody (PA1-46118) in WB
Western blot analysis of BMAL1 in A) MCF7, B) NIH/3T3, C) PC12. Samples were incubated in BMAL1 polyclonal antibody (Product # PA1-46118).



BMAL1 Antibody (PA1-46118) in IHC (P)
Immunohistochemical analysis of BMAL1 in formalin-fixed paraffin-embedded tissue section of mouse brain. Samples were incubated in BMAL1 polyclonal antibody (Product # PA1-46118) using a dilution of 1:200 followed by HRP labeled anti-rabbit IgG secondary antibody and DAB reagent. Nuclei of cells were counter-stained with hematoxylin. This BMAL1 antibody generated a specific nuclear staining in most of the cells and a relatively weaker cytoplasmic signal was also observed.



BMAL1 Antibody (PA1-46118) in IHC (P)
Immunohistochemical analysis of BMAL1 in mouse brain. Samples were incubated with BMAL1 polyclonal antibody (Product # PA1-46118) followed by using DAB with hematoxylin counterstain.



BMAL1 Antibody (PA1-46118) in WB
Western blot analysis of BMAL1 in 3T3/L1 cell lysates. Sample was incubated in BMAL1 polyclonal antibody (Product # PA1-46118).

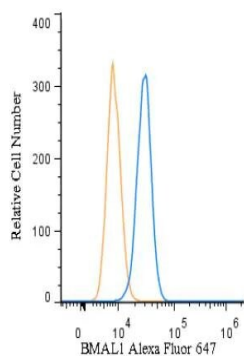
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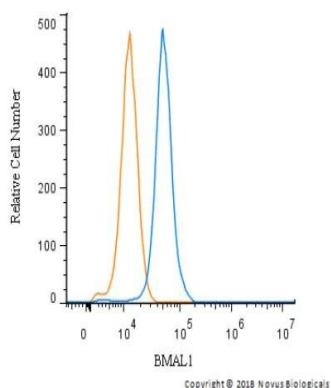
BMAL1 Antibody (PA1-46118) in Flow

Flow cytometry of BMAL1 in HeLa cells. Samples were incubated in BMAL1 polyclonal antibody (Product # PA1-46118) using a dilution of 5 µg/mL for 30 minutes at room temperature. Antibody (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Both antibodies were conjugated to Alexa Fluor 647.



BMAL1 Antibody (PA1-46118) in Flow

Flow cytometry of BMAL1 in Jurkat cells and a matched isotype control. Samples were incubated in BMAL1 polyclonal antibody (Product # PA1-46118) using a dilution of 2.5 µg/mL for 30 minutes at room temperature followed by a Rabbit IgG (H+L) Cross-Adsorbed secondary antibody. Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin.



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