

IHC*easy* BMAL1/ARNTL Ready-To-Use IHC Kit

Catalog Number: **KHC1421**

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Rabbit Polyclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

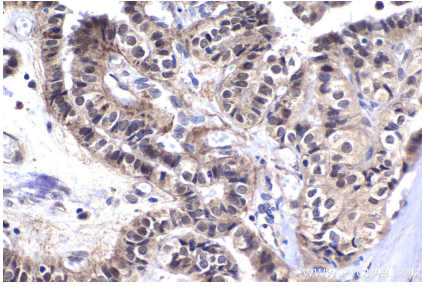
Background

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.

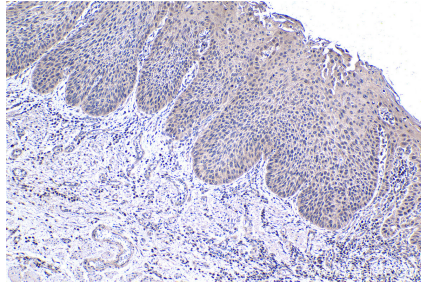
Synonyms

ARNT3, ARNTL, bHLH PAS protein JAP3, bHLHe5, BMAL1, BMAL1c, Brain and muscle ARNT like 1, JAP3, Member of PAS protein 3, MOP3, PASD3, TIC

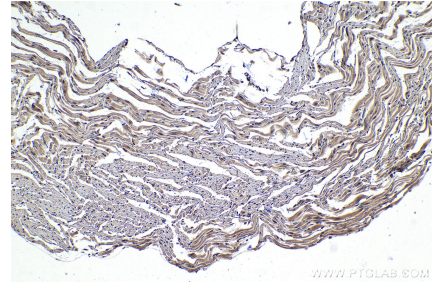
Selected Validation Data



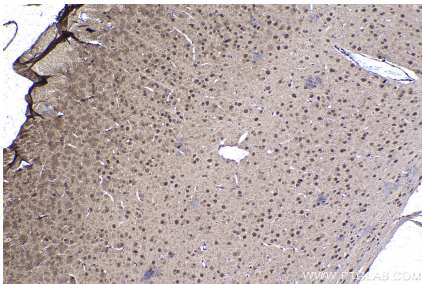
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using KHC1421 (BMAL1/ARNTL IHC Kit).



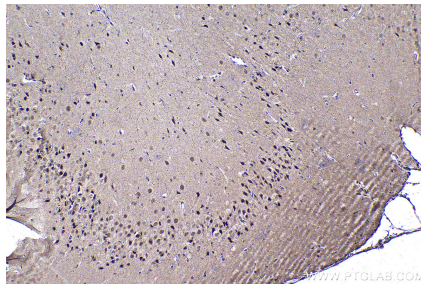
Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using KHC1421 (BMAL1/ARNTL IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC1421 (BMAL1/ARNTL IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC1421 (BMAL1/ARNTL IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC1421 (BMAL1/ARNTL IHC Kit).