

CAB4714

Product Information

Product SKU:	CAB4714	Gene ID:	406	Size:	20uL, 100uL
Clone No:	ARC1101	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	70-78kd	Conjugate:	Unconjugated
Calculated MW:	69kDa	Isotype:	IgG

Immunogen Information

Background: The protein encoded by this gene is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This heterodimer binds E-box enhancer elements upstream of Period (PER1, PER2, PER3) and Cryptochrome (CRY1, CRY2) genes and activates transcription of these genes. PER and CRY proteins heterodimerize and repress their own transcription by interacting in a feedback loop with CLOCK/ARNTL complexes. Defects in this gene have been linked to infertility, problems with gluconeogenesis and lipogenesis, and altered sleep patterns. The protein regulates interferon-stimulated gene expression and is an important factor in viral infection, including COVID-19.

Recommended Dilution: WB,1:500 - 1:1000

Synonyms: TIC; JAP3; MOP3; ARNTL; PASD3; ARNTL1; BMAL1c; bHLHe5; BMAL1

Purification Method: Affinity purification

Immunogen: A synthetic peptide corresponding to a sequence within amino acids 500-600 of human BMAL1 (O00327).

Storage: Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.