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35-1669: Polyclonal Antibody to BMAL1

Clonality: Polyclonal

Application: WB

Human, Mouse, Rat Reactivity:

Gene: **ARNTL** Gene ID: 406 O00327 **Uniprot ID:** Format: Purified

Alternative Name: MOP3, BMAL1c, ARNTL, TIC

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around aa.569~573 (S-S-I-L) derived from Human BMAL1.

Description

ARNTL-CLOCK heterodimers activate E-box element (3'-CACGTG-5') transcription of a number of proteins of the circadian clock. This transcription is inhibited in a feedback loop by PER, and also by CRY proteins Lee S,et al. (2010) PLoS One.5(6):e10995. Wang J,et al. (2010) Biosystems.101(2):136-43. Jung-Hynes ,et al. (2010) J Pineal Res.49(1):60-8.

Product Info

Amount: $50 \mu l / 100 \mu l$

Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM Content:

NaCl, 0.02% sodium azide and 50% glycerol.

Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid Storage condition:

repeated freeze and thaw cycles.

Application Note

Predicted MW: 69kd, Western blotting: 1:500~1:1000

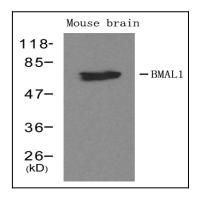


Figure 1: Western blot analysis of extracts from mouse brain tissue using BMAL1 Antibody 35-1669.



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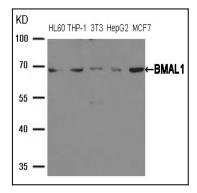


Figure 2: Western blot analysis of extracts from HL60, THP-1, 3T3, HepG2 and MCF7 cells using BMAL1 Antibody 35-1669.