

## 35-1669: Polyclonal Antibody to BMAL1

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	ARNTL
<b>Gene ID :</b>	406
<b>Uniprot ID :</b>	O00327
<b>Format :</b>	Purified
<b>Alternative Name :</b>	MOP3, BMAL1c, ARNTL, TIC
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.569~573 (S-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

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

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

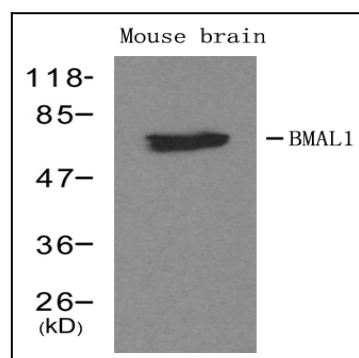


Figure 1: Western blot analysis of extracts from mouse brain tissue using BMAL1 Antibody 35-1669 .

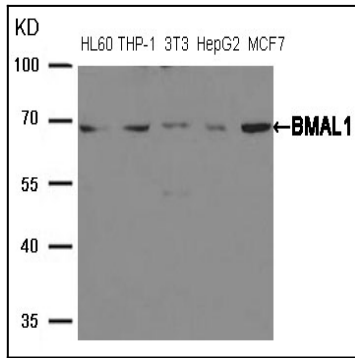


Figure 2: Western blot analysis of extracts from HL60, THP-1, 3T3, HepG2 and MCF7 cells using BMAL1 Antibody 35-1669 .