

35-1669: Polyclonal Antibody to BMAL1

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human,Mouse,Rat
Gene :	ARNTL
Gene ID :	406
Uniprot ID :	O00327
Format :	Purified
Alternative Name :	MOP3, BMAL1c, ARNTL, TIC
Isotype :	Rabbit IgG
Immunogen Information :	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

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	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

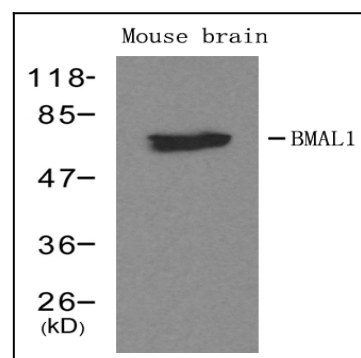


Figure 1: Western blot analysis of extracts from mouse brain tissue using BMAL1 Antibody 35-1669 .

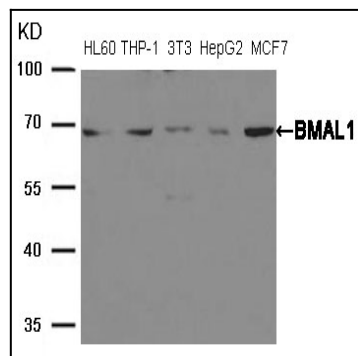


Figure 2: Western blot analysis of extracts from HL60, THP-1, 3T3, HepG2 and MCF7 cells using BMAL1 Antibody 35-1669 .