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| Cat. No: | AB-E4441 |
| Conjugate: | unconjugated |
| Size: | 100 ug |
| Clone: | Polyclonal |
| Concentration: | 1mg/ml |
| Host: | Rabbit |
| Isotype: | IgG |
| Immunogen: | The antiserum was produced against synthesized peptide derived from human BMAL1 around the non-acetylation site of Lys538. AA range:501-550 |
| Reactivity: | Human, Mouse, Rat |
| Applications: | Western Blot 1:500- 1:2000 IHC (P): 1:100 - 1:300 Elisa 1:20000 |
| Molecular Weight: | 69kd |
| Purification: | affinity purified |
| Synonyms: | ARNTL; BHLHE5; BMAL1; MOP3; PASD3; Aryl hydrocarbon receptor nuclear translocator-like protein 1; Basic-helix-loop-helix-PAS protein MOP3; Brain and muscle ARNT-like 1Class E basic helix-loop-helix protein 5; bHLHe5; Member of PAS protein 3; PAS domain-co |
| 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. |
| Form: | Liquid |
| Buffer: | PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide |
| Storage: | Store at -20°C. Avoid repeated freeze-thaw cycles. |

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