

CLOCK Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_004889.1

Catalog No. A302-618A GeneID 9575

Lot No. A302-618A-3

| | |
|------------------------------|---|
| APPLICATIONS | WB, IP |
| SPECIES REACTIVITY | Human, Mouse |
| PRESUMED REACTIVITY | Based on 100% sequence identity, this antibody is predicted to react with Orangutan |
| AMOUNT | 100 µl |
| CONCENTRATION | 1000 µg/ml |
| STORAGE/SHELF LIFE | 2 – 8°C / 1 year from date of receipt |
| PHYSICAL STATE | Liquid |
| BUFFER | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| ISOTYPE | IgG |
| ORIGIN | USA |
| PRODUCTION PROCEDURES | Antibody was affinity purified using an epitope specific to CLOCK immobilized on solid support. |

The epitope recognized by A302-618A maps to a region between residue 796 and 846 of human circadian locomotor output cycles kaput protein using the numbering given in entry NP_004889.1 (GeneID 9575).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 – 1:10,000

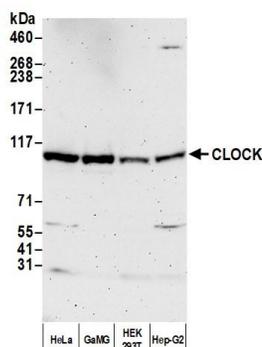
Immunoprecipitation 2 – 10 µg/mg lysate

ADDITIONAL INFO <https://www.bethyl.com/product/A302-618A>

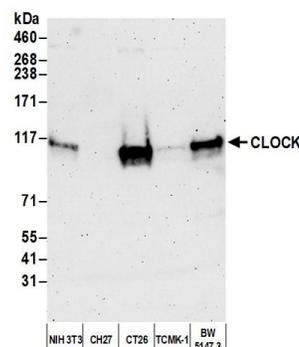
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

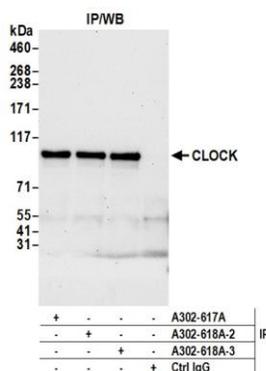
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: January 12, 2022



Detection of human CLOCK by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, GaMG, HEK293T, and Hep-G2 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CLOCK antibody (A302-618A lot 3) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of mouse CLOCK by western blot. *Samples:* Whole cell lysate (50 µg) from NIH 3T3, CH27, CT26, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CLOCK antibody (A302-618A lot 3) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human CLOCK by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-CLOCK antibody (A302-618A lot 3) used for IP at 6 µg per reaction. CLOCK was also immunoprecipitated by a previous lot of this antibody (A302-618A lot 2) and a second antibody against a different epitope of CLOCK (A302-617A). For blotting immunoprecipitated CLOCK, A302-618A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.