

Rabbit anti-Human, Mouse CLOCK Polyclonal Antibody | anti-CLOCK antibody

Rabbit anti-CLOCK Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211943	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

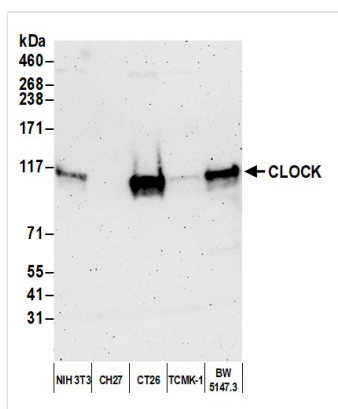
PRODUCT SYNONYMS

CLOCK; Polyclonal Antibody; Rabbit anti-CLOCK Antibody; Affinity Purified; bHLHe8; circadian locomoter output cycles kaput protein; circadian locomoter output cycles protein kaput; class E basic helix-loop-helix protein 8; clock homolog; hCLOCK; KAT13D; Circadian locomoter output cycles protein kaput; clock circadian regulator; anti-CLOCK antibody

PRODUCT SPECIFICATIONS

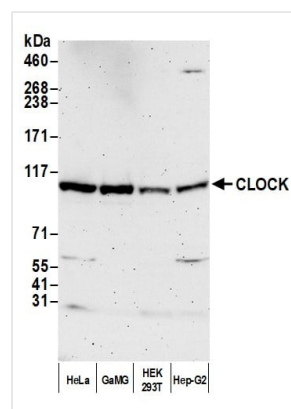
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CLOCK antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 796 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



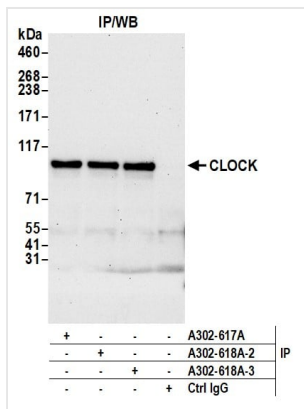
WB (Western Blot)

Detection of mouse CLOCK by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3, CH27, CT26, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CLOCK antibody (AAA211943 lot 3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



WB (Western Blot)

Detection of human CLOCK by western blot. Samples: Whole cell lysate (50 ug) from HeLa, GaMG, HEK293T, and Hep-G2 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CLOCK antibody (AAA211943 lot 3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

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 (AAA211943 lot 3) used for IP at 6 ug per reaction. CLOCK was also immunoprecipitated by a previous lot of this antibody (AAA211943 lot 2) and a second antibody against a different epitope of CLOCK . For blotting immunoprecipitated CLOCK, AAA211943 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-CLOCK antibody	CLOCK (circadian locomotor output cycles protein kaput) belongs to the basic helix-loop-helix (bHLH) family of transcription factors. Polymorphisms within the encoded protein have been associated with circadian rhythm sleep disorders. A similar protein in mice is a circadian regulator that acts as a transcription factor and forms a heterodimer with aryl hydrocarbon receptor nuclear translocator-like to activate transcription of mouse period 1 [taken from NCBI Entrez Gene (GeneID: 9575)].
Product Categories/Family for anti-CLOCK antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758010
NCBI GeneID	9575
NCBI Accession #	NP_004889.1
NCBI GenBank Nucleotide #	NM_004898.3
UniProt Accession #	O15516; O14516; Q9UIT8; A0AV01; A2I2N9
Molecular Weight	95,304 Da
NCBI Official Full Name	circadian locomoter output cycles protein kaput
NCBI Official Synonym Full Names	clock circadian regulator
NCBI Official Symbol	CLOCK
NCBI Official Synonym Symbols	KAT13D; bHLHe8
NCBI Protein Information	circadian locomoter output cycles protein kaput; clock homolog; class E basic helix-loop-helix protein 8; circadian locomoter output cycles kaput protein
UniProt Protein Name	Circadian locomoter output cycles protein kaput
UniProt Gene Name	CLOCK
UniProt Synonym Gene Names	BHLHE8; KIAA0334; hCLOCK; bHLHe8
UniProt Entry Name	CLOCK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/clock-antibody-immunoprecipitation-western-blot-elisa/211943>