

Rabbit CLOCK Polyclonal Antibody | anti-CLOCK antibody

CLOCK Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285458	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

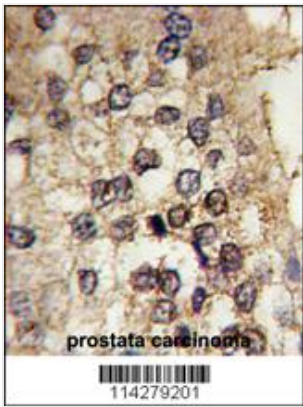
PRODUCT SYNONYMS

CLOCK; Polyclonal Antibody; CLOCK Antibody (Center); Circadian locomotor output cycles protein kaput; hCLOCK; Class E basic helix-loop-helix protein 8; bHLHe8; BHLHE8; KIAA0334; anti-CLOCK antibody

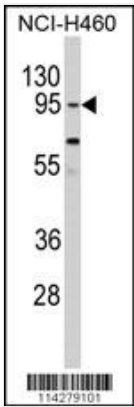
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CLOCK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 215-249 amino acids from the Central region of human CLOCK.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	215-249
Sequence Length	846
Applicable Applications for anti-CLOCK antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with CLOCK antibody (Center) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CLOCK Antibody (Center) in NCI-H460 cell line lysates (35ug/lane). CLOCK (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CLOCK antibody	CLOCK belongs to the basic helix-loop-helix (bHLH) family of transcription factors. Polymorphisms within this 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.
Product Categories/Family for anti-CLOCK antibody	Cardiovascular; Metabolism; Neuroscience; Signal Transduction
References	Sookoian,S., Am. J. Clin. Nutr. 87 (6), 1606-1615 (2008) Nakashima,A., Mol. Cell. Biol. 28 (12), 4080-4092 (2008) Marino,J.L., Epidemiology 19 (3), 477-484 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	392841204
NCBI GeneID	9575
NCBI Accession #	NP_001254772.1; NP_004889.1
NCBI GenBank Nucleotide #	NM_001267843.1
UniProt Accession #	O15516; O14516; Q9UIT8; A0AV01; A2I2N9
Molecular Weight	95304
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/clock-antibody-immunohistochemistry-western-blot-elisa/285458>