

Mouse anti-Human CLOCK Antibody | anti-CLOCK antibody

CLOCK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108536	Mouse	Human	ELISA, Immunofluorescence, Western Blot

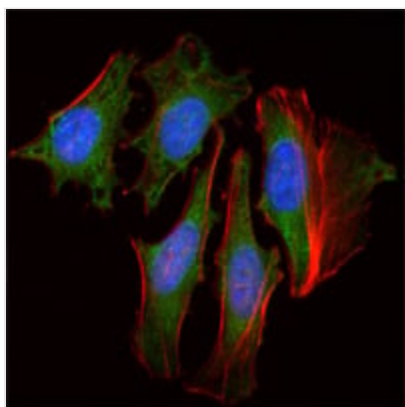
PRODUCT SYNONYMS

CLOCK; CLOCK Antibody; KAT13D; bHLHe8; KIAA0334; anti-CLOCK antibody

PRODUCT SPECIFICATIONS

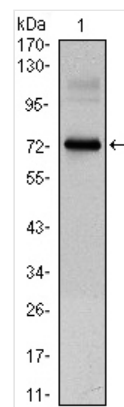
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	8F7
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	846
Applicable Applications for anti-CLOCK antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant fragment of human CLOCK expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Figure 2: Immunofluorescence analysis of HeLa cells using CLOCK mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



WB (Western Blot)

Figure 1: Western blot analysis using CLOCK mouse mAb against CLOCK-hlgGfC transfected HEK293 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-CLOCK antibody

This gene encodes a protein that 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.

Product Categories/Family for anti-CLOCK antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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NCBI AND UNIPROT INFORMATION

NCBI GI #	392841204
NCBI GeneID	9575
NCBI Accession #	NP_001254772.1
NCBI GenBank Nucleotide #	NM_001267843.1
UniProt Accession #	O15516; O14516; Q9UIT8; A0AV01; A2I2N9
Molecular Weight	95kDa
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

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/mouse-human-antibody/clock/108536>