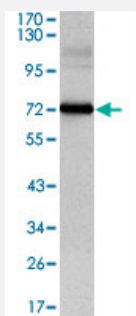


CLOCK monoclonal antibody, clone 8F7

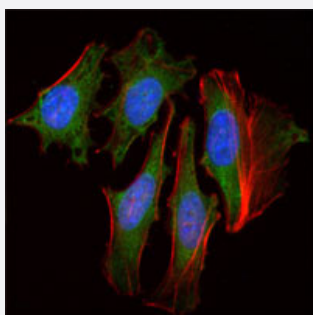
Catalog # MAB10570 Size 100 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis using CLOCK monoclonal antibody, clone 8F7 (Cat # MAB10570) against CLOCK-hlgGfc transfected HEK293 cell lysate.



Immunofluorescence

Immunofluorescence analysis of HeLa cells using CLOCK monoclonal antibody, clone 8F7 (Cat # MAB10570) (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CLOCK.
Immunogen	Recombinant protein corresponding to human CLOCK.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunofluorescence (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis using CLOCK monoclonal antibody, clone 8F7 (Cat # MAB10570) against CLOCK-hlgGfc transfected HEK293 cell lysate.

- Immunofluorescence

Immunofluorescence analysis of HeLa cells using CLOCK monoclonal antibody, clone 8F7 (Cat # MAB10570) (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CLOCK

Entrez GeneID	9575
Gene Name	CLOCK
Gene Alias	KAT13D, KIAA0334, bHLHe8
Gene Description	clock homolog (mouse)
Omim ID	601851
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]

Other Designations

OTTHUMP00000128334|circadian locomoter output cycles kaput protein|clock

Pathway

- [Circadian rhythm - mammal](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Arousal](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Bulimia Nervosa](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Choice Behavior](#)
- [Chronobiology Disorders](#)
- [Cluster Headache](#)
- [Cocaine-Related Disorders](#)
- [Decision Making](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disorders of Excessive Somnolence](#)

- [Edema](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Interview](#)
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- [Mood Disorders](#)
- [Neuropsychological Tests](#)
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- [Overweight](#)
- [Paranoid Disorders](#)
- [Personality Assessment](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Seasonal Affective Disorder](#)
- [Sleep](#)
- [Sleep Disorders](#)
- [Sleep Initiation and Maintenance Disorders](#)
- [Thinness](#)
- [Time Perception](#)

- [Weight Gain](#)
- [Weight Loss](#)