Datasheet for ABIN2778091

anti-CLOCK antibody (N-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	CLOCK
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Sheep, Dog, Guinea Pig, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CLOCK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CLOCK
Sequence:	LFTVSCSKMS SIVDRDDSSI FDGLVEEDDK DKAKRVSRNK SEKKRRDQFN
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against CLOCK. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CLOCK

Target Details

Alternative Name:	CLOCK (CLOCK Products)
Background:	CLOCK is 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.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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: KAT13D, KIAA0334, bHLHe8 Protein Interaction Partner: SIRT1, ARNTL, SOX2, TFAP4, UBC, ARNTL2, PER3, RXRA, RARA, KAT2B, EP300, Protein Size: 846
Molecular Weight:	95 kDa
Gene ID:	9575
NCBI Accession:	NM_004898, NP_004889
UniProt:	O15516
Pathways:	Regulation of Lipid Metabolism by PPARalpha, Photoperiodism

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 846 AA
Restrictions:	For Research Use only

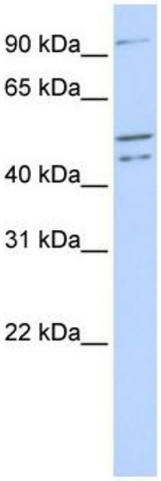
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CLOCK Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 721_B cell lysate CLOCK is supported by BioGPS gene expression data to be expressed in 721_B