

MaxPab®

CLOCK purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009575-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CLOCK protein.
Immunogen	CLOCK (ABZ92219.1, 1 a.a. ~ 846 a.a) full-length human protein.
Sequence	MLFTVSCSKMSSVDRDDSSIFDGLVEEDDKDKAKRVSRNKSEKKRRDQFNVLIKELGSMLPGN ARKMDKSTVLQKSIDFLRKHKEITAQSDASEIRQDWKPTFISNEEFTQLMLEALDGFFLAIMTDSII YVSESVTSLLEHLPDDLVDQSIFNFIPEGEHSEVYKILSTHLLSDSLTPEYLKSKNQLEFCCHMLR GTIDPKEPSTYEVKFIGNFKSLNSVSSSAHNGFEGTIQRTHRPSYEDRVCFVATVRLATPQFIKEM CTVEEPNEEFTSRHSLEWKFLFLDHRAPPIIGYLPFEVLGTSGYDYHVDLENLAKCHEHLMQYG KGKSCYYRFLTKGQQWMLQTHYYTYHQWNSRPEFVCTHTVVSYAIEVRAERRRELGIEESLPETA ADKSQDSGSDNRINTVSLKEALERFDHSPTPSASSRSSRKSSHTAVSDPSSTPTKIPTDTSTPPR QHLPAHEKMOVRRSSFSSQSINSQSVGSSLTQPVMSQATNLPIPGMSQFQFSAQLGAMQHLK DQLEQRTRMIEANIHRQQEELRKIQEQLQMVHGQGLQMFLLQQSNPGLNFGSVQLSSGNSSNIQQL APINMQGQVVPTNQIQSGMNTGHIGTTQHMIQQQTQLQSTSTQSQQNVLSGHSQQTSLPSQTQSTLT APLYNTMVISQPAAGSMVQIPSSMPQNSTQSAAVTFTQDRQIRFSQGGQLVTKLVTAPVACGAV MVPSTMLMGQVVTAYPTFATQQQQSQTLSTVQQQQQSSQEQLTSVQQPSQAQLTQPPQQFL QTSRLLHGNPSTQLILSAAFPLQQSTFPQSHHQHQSSQQQQQLSRHRTDSLDPDSKVQPQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (92)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — CLOCK

Entrez GeneID [9575](#)

GeneBank Accession# [EU446690.1](#)

Protein Accession# [ABZ92219.1](#)

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 locomotor 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](#)
- [Metabolic Syndrome X](#)
- [Mood Disorders](#)
- [Neuropsychological Tests](#)

- [Obesity](#)
- [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](#)