

MaxPab®

PER2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008864-B01P

Size 500 ug

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PER2 protein.

Immunogen

PER2 (AAI11454.1, 1 a.a. ~ 1255 a.a) full-length human protein.

Sequence

MNGYAEFPPSPSNPTKEPVEPQPSQVPLQEDVDMSSGSSGHETNENCSTGRDSQGSDCDDSGKELGMLVEPPDARQSPDTFSLMMAKSEHNPSTSGCSDQSSKVDTHKELIKTLKELKVHLPADKKAKGKASTLATLKYALRSVKQVKANEEYYQLMSSEGHPCGADVPSYVEEMESVTSEHIVKNA DMFAVAVSLVSGKILYSDQVASIFHCKRDAFSDAKFVEFLAPHDVGVFHSFTSPYKLPLWSMCS GADSFTQECMEEKSFFCRVSVRKSHENEIRYHPFRMTPYL VKVRDQQGAESQLCCLLLAERVHSGYEAPRIPPEKRIFTTHTPNCLFQDVERAVPLLGYLPQDLIETPVLVQLHPSDRPLMLAIHKKILQSGGQPFDYSPIRFRANGEYITLDTSWSSFINPWSRKISFIGRHKVRVGPLNEDVFAAHPCTEEKALHPSIQELTEQIHRLLLQVPVPHSGSSGYGSLGSLGNGSHEHLSQTSSSDSNGHEDSRRRRAEICKNGNKTNRSHYSHESGEQKKKSVTEMQTNPPAEKKAVPAMEKDSLGVSFPEELACKNQPTCSYQQISCLDSVIRYLESCNEAATLKRKCEFPANVPALRSSDKRKATVSPGPHAGEAEPPSRVNSRTGVGTHLTSLALPGKAESVASLTSQCSYSSTVHVGDKKPQPELEMVEDAASGPESLDCLAGPALACGLSQEKEPFKKLGLTKEVLAHTQKEEQSFLQKFKEIRKLSIFQSHCHYYLQERSKGQPSERTAPGLRNTSGIDSPWKKTGKNRKLKSKRVKPRDSSESTGSGGPVSARPPVLVGLNATAWSPSDTSQSSCPAVPFPAPVPAAYSLPVFPAPGTVAAPPAPPHASFTVPAVPVDLQHQFAVQPPFPAPLAPVMAFMLPSYSFSPGTPNLPQAFFPSQPQFPSHPTLTSEMASASQPEFPSRTSIPRQPCACPATRATPPSAMGRASPPLFQSRSSSPLQLNLLQLEEAPEGGTGAMGTTGATETA AVGADCKPGTSRDQQPKAPLTRDEPSDTQNSDALSTSSGLLNNLLNEDLCSASGSAASESLGSGSLGCDASPSGAGSSDTSHTSKYFGSIDSSENNHHKAKMNTGMEESEHFICVLQDPWLLMADADSSVMMTYQLPSRNLEAVLKEDREKLKLLQKLQPRFTESQKQELREVHQWMQTGGLPAAIDVAECVYGENKEKGNICIPYEEDIPSLGLSEVSDTKEDENGSPLNHRIEEQT

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (77); Rat (77)

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 — PER2

Entrez GeneID [8864](#)

GeneBank Accession# [BC111453.3](#)

Protein Accession# [AAI11454.1](#)

Gene Name PER2

Gene Alias FASPS, KIAA0347

Gene Description period homolog 2 (Drosophila)

Omim ID [603426 604348](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the Period family of genes and is expressed in a circadian pattern in the suprachiasmatic nucleus, the primary circadian pacemaker in the mammalian brain. Genes in this family encode components of the circadian rhythms of locomotor activity, metabolism, and behavior. Circadian expression in the suprachiasmatic nucleus continues in constant darkness, and a shift in the light/dark cycle evokes a proportional shift of gene expression in the suprachiasmatic nucleus. The specific function of this gene is not yet known. [provided by RefSeq]

Other Designations period 2|period circadian protein 2|period, Drosophila, homolog of, 2

Pathway

- [Circadian rhythm - mammal](#)

Disease

- [Alcoholism](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)

- [Behavior Therapy](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Chronobiology Disorders](#)
- [Cocaine-Related Disorders](#)
- [Cognitive Therapy](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Interview](#)
- [Mood Disorders](#)
- [NARP](#)
- [Obesity](#)
- [Paranoid Disorders](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep Disorders](#)
- [Weight Loss](#)