

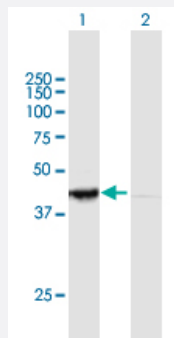
MaxPab®

PER3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008863-B01P

Size 50 ug

Applications

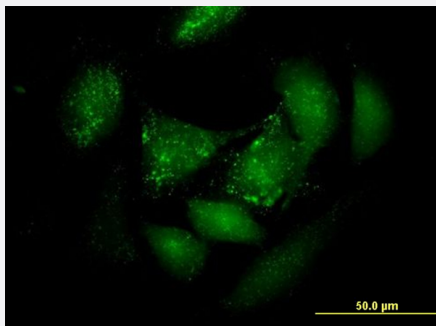


Western Blot (Transfected lysate)

Western Blot analysis of PER3 expression in transfected 293T cell line ([H00008863-T01](#)) by PER3 MaxPab polyclonal antibody.

Lane 1: PER3 transfected lysate(41.58 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PER3 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PER3 protein.

Immunogen

PER3 (AAH26102.1, 1 a.a. ~ 378 a.a) full-length human protein.

Sequence

MPRGEAPGPGRRGAKDEALGEESGERWSPEFHLQRKLADSSHSEQQDRNRVSEELIMVVQEM
KKYFPSERRNKPSTLDALNYALRCVHSVQANSEFFQILSQNGAPQADVSMYSLEELATIASEHTS
KNTDTFVAVFSFLSGRLVHISEQAALILNRKKDVLASSHFVDLLAPQDMRVFYAHTARAQLPFWN
NWTQRAARYECAPVKPFFCRIRGGEDRKQEKCHSPFRIIPYLIHVHHPAQPELESEPCCLTVVEKI
HSGYEAPRIPVKNRIFTTHTPGCVFLEVDEKAVPLLGYLPQDLIGTSILSYLHPEDRSLMVAIHQKV
LKYAGHPPFEHSPIRFCTQNGDYILDSSWSSFVNPWSRKISFIIGRHKVRT

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

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PER3 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — PER3

Entrez GeneID	8863
GeneBank Accession#	BC026102.1
Protein Accession#	AAH26102.1
Gene Name	PER3
Gene Alias	GIG13
Gene Description	period homolog 3 (Drosophila)
Omim ID	603427
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

OTTHUMP00000001354|growth-inhibiting protein 13|period 3|period circadian protein 3

Pathway

- [Circadian rhythm - mammal](#)

Disease

- [Arousal](#)
- [Attention](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Choice Behavior](#)
- [Chronobiology Disorders](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fatigue](#)
- [Genetic Predisposition to Disease](#)
- [Genetics](#)
- [Heroin Dependence](#)
- [Inflammation](#)
- [Mental Recall](#)

- [Mood Disorders](#)
- [Neuropsychological Tests](#)
- [Problem Solving](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychomotor Performance](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep](#)
- [Sleep Deprivation](#)
- [Sleep Disorders](#)
- [Sleep Stages](#)
- [Wakefulness](#)