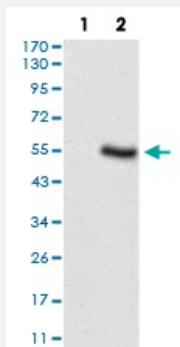


PER3 monoclonal antibody, clone 5D5B8

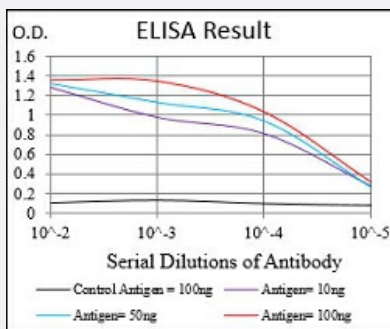
Catalog # MAB16605 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: PER3-hlgGfc transfected HEK293 cell with PER3 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PER3 monoclonal antibody, clone 5D5B8.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human PER3.
Immunogen	Recombinant protein corresponding to amino acid 723-954 of human PER3 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	132
Reactivity	Human
Form	Liquid
Isotype	IgG1

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% 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 of Lane 1: HEK293 cell; Lane 2: PER3-hlgGfc transfected HEK293 cell with PER3 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PER3 monoclonal antibody, clone 5D5B8.

Gene Info — PER3

Entrez GeneID	8863
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](#)