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anti-PER3 antibody

Images



Overview

Quantity:	100 μL
Target:	PER3
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PER3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	PER3 Rabbit mAb
Immunogen:	A synthesized peptide derived from human PER3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	PER3
Alternative Name:	PER3 (PER3 Products)
Background:	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. This gene is upregulated by CLOCK/ARNTL heterodimers but then represses this upregulation in a feedback loop using PER/CRY heterodimers to interact with CLOCK/ARNTL. Polymorphisms in this gene have been linked to sleep disorders. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2014], FASPS3, GIG13, Cardiovascular, Endocrine & Metabolism, Epigenetics & Nuclear Signaling, Heart, Heart_Cardiac metabolism, Heart_Cardiogenesis, Transcription Factors, PER3

Molecular Weight: 132kDa Gene ID: 8863 UniProt:

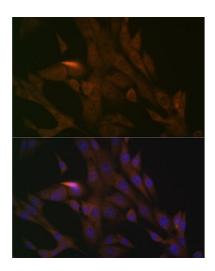
Application Details

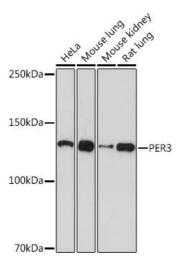
P56645

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200 Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.





Immunofluorescence

Image 1. Immunofluorescence analysis of NIH-3T3 cells using PER3 Rabbit mAb (ABIN7269225) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PER3 Rabbit mAb (ABIN7269225) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.