For Research Use Only

# PER2 (isoform 1) Monoclonal antibody, PBS Only

Catalog Number:67513-1-PBS

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## Basic Information

Catalog Number:
67513-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG29489

GenBank Accession Number:
NM_022817

GeneID (NCBI):
8864

UNIPROT ID:
O15055

Full Name:
period homolog 2 (Drosophila)

Calculated MW:
137 kDa

Observed MW:
150-160 kDa

Purification Method:
Protein G purification

CloneNo.:
2E6C3

## Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

## Background Information

PER2, also named as KIAA0347, is a component of the circadian clock mechanism which is essential for generating circadian rhythms. Defects in PER2 are a cause of familial advanced sleep-phase syndrome (FASPS) which is characterized by very early sleep onset and offset. There are two isoforms of PER2: isoform 1 has an expected molecular size of about 140 kDa, and 67513-1-Ig detected molecular weight of 150-160 kDa (PMID:16675517), while isoform 2, known as PER2S (a second splicing variant of the human PER2 gene), has a molecular weight of about 45 kDa (PMID:26347774).

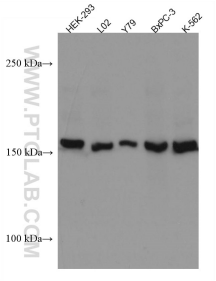
## Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

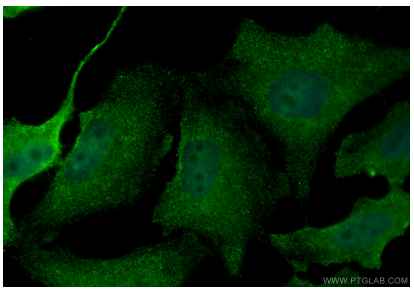
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data




Various lysates were subjected to SDS PAGE followed by western blot with 67513-1-Ig (PER2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67513-1-PBS in a different storage buffer formulation.




Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PER2 (isoform 1) antibody (67513-1-Ig, Clone: 2E6C3 ) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 67513-1-PBS in a different storage buffer formulation.