

For Research Use Only

PER2 (isoform 1) Monoclonal antibody, PBS Only



Catalog Number: 67513-1-PBS

Basic Information

Catalog Number:

67513-1-PBS

Size:

1 mg/ml

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 A purification

CloneNo.:

2E6C3

Applications

Tested Applications:

WB, 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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

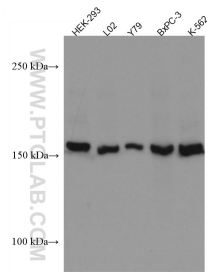
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W: ptgcn.com

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.