

For Research Use Only

PER2 (isoform 1) Monoclonal antibody, PBS Only

Catalog Number: 67513-1-PBS



Basic Information

Catalog Number: 67513-1-PBS	GenBank Accession Number: NM_022817	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 8864	CloneNo.: 2E6C3
Source: Mouse	UNIPROT ID: O15055	
Isotype: IgG1	Full Name: period homolog 2 (Drosophila)	
Immunogen Catalog Number: AG29489	Calculated MW: 137 kDa	
	Observed MW: 150-160 kDa	

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

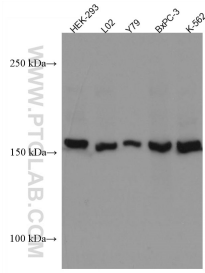
For technical support and original validation data for this product please contact:

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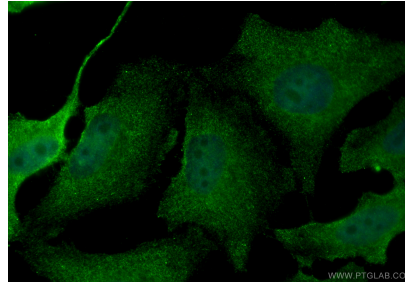
E: proteintech@ptglab.com
W: ptglab.com

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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.